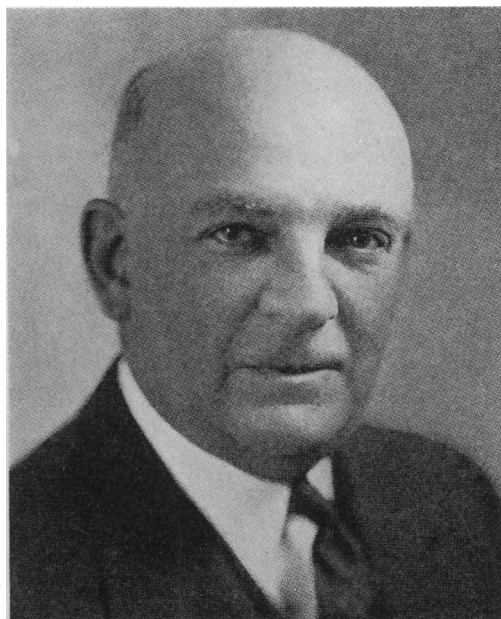


GUEST SPEAKERS AT THE SIXTY-FOURTH ANNUAL SESSION CALIFORNIA MEDICAL ASSOCIATION

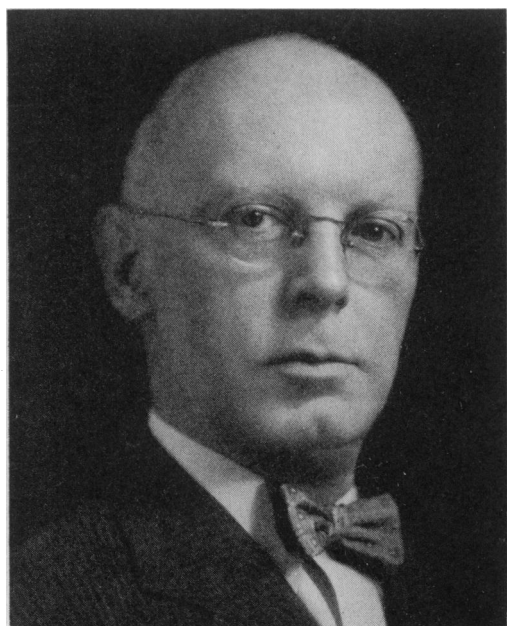
Speakers at General Meetings



JAMES S. McLESTER, M. D.
President-Elect, American Medical Association
Birmingham, Alabama



E. STARR JUDD, M. D.
Rochester, Minnesota



THOMAS P. SPRUNT, M. D.
Associate in Medicine, Johns Hopkins
University Medical School,
Baltimore, Maryland



GEORGE W. WHIPPLE, M. D.
Dean and Professor of Pathology, University
of Rochester School of Medicine,
Rochester, New York



ROBERT A. PEERS
President-Elect

SECTION OFFICERS



HILMAR O. KOEFOD
Chairman, General Medicine



PHILIP K. GILMAN
Chairman, General Surgery



EMIL J. KRAHULIK
Chairman, Obstetrics and
Gynecology



FLETCHER B. TAYLOR
Secretary, General Medicine



WILLIAM P. KROGER
Secretary, General Surgery

SECTION OFFICERS



DONALD G. TOLLEFSON
Secretary, Obstetrics and
Gynecology



SAMUEL A. DURR
Chairman, Eye, Ear, Nose, and
Throat



HAROLD A. FLETCHER
Secretary, Eye, Ear, Nose, and
Throat



DOROTHY A. WOOD
Chairman, Anesthesiology



W. V. CHALMERS-FRANCIS
Secretary, Anesthesiology



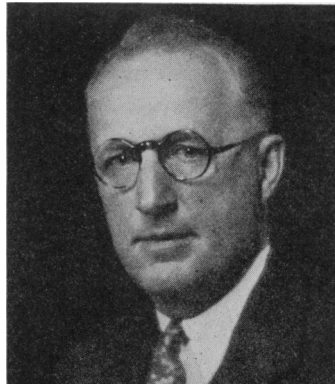
ERNEST K. STRATTON
Chairman, Dermatology and
Syphilology



WILLIAM S. KISKADDEN
Chairman, Industrial Medicine
and Surgery



SAMUEL S. MATHEWS
Secretary, Industrial Medicine
and Surgery



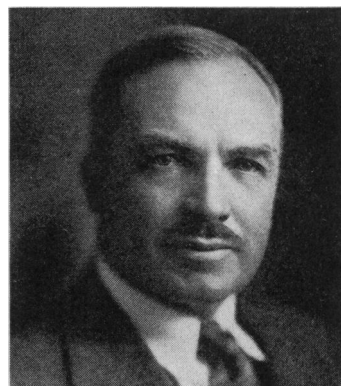
H. DOUGLAS EATON
Chairman, Neuropsychiatry

SECTION OFFICERS

SYDNEY K. SMITH
Secretary, Neuropsychiatry



ROBERT A. GLENN
Chairman, Pathology and
Bacteriology



RAWSON J. PICKARD
Secretary, Pathology and
Bacteriology



HENRY E. STAFFORD
Chairman, Pediatrics



SAM J. McCLENDON
Secretary, Pediatrics



KENNETH S. DAVIS
Chairman, Radiology



ALFRED C. SIEFERT
Secretary, Radiology



GEORGE F. SCHENCK
Chairman, Urology



THOMAS E. GIBSON
Secretary, Urology

PROGRAM

THE SIXTY-FOURTH ANNUAL SESSION of the CALIFORNIA MEDICAL ASSOCIATION

TO BE HELD AT

AHWAHNEE HOTEL, YOSEMITE NATIONAL PARK

MAY 13-16, 1935

OFFICERS AND COMMITTEES, 1935

GENERAL OFFICERS

CLARENCE G. TOLAND, Los Angeles, President
 ROBERT A. PEERS, Colfax, President-Elect
 T. HENSHAW KELLY, San Francisco, Chairman of the Council
 EDWARD M. PALLETTE, Los Angeles, Speaker of House of Delegates
 JOHN H. GRAVES, San Francisco, Vice-Speaker of House of Delegates
 FREDERICK C. WARNSHUIS, San Francisco, Secretary-Treasurer
 GEORGE H. KRESS, Los Angeles, Editor
 HARTLEY F. PEART, San Francisco, General Counsel
 HUBERT T. MORROW, Los Angeles, Associate General Counsel

COUNCILORS

First District

W. W. Roblee, Riverside (1935)
 Imperial, Orange, Riverside, San Bernardino,
 and San Diego Counties

Second District

Carl R. Howson, Los Angeles (1936)
 Los Angeles County

Third District

Henry J. Ullmann, Santa Barbara (1937)
 Kern, San Luis Obispo, Santa Barbara, and
 Ventura Counties

Fourth District

*Fred R. De Lappe, Modesto (1935)
 Calaveras, Fresno, Inyo, Kings, Madera, Mariposa, Merced,
 Mono, San Joaquin, Stanislaus, Tulare, and
 Tuolumne Counties

Fifth District

Alfred L. Phillips, Santa Cruz (1936)
 Monterey, San Benito, San Mateo, Santa Clara,
 and Santa Cruz Counties

Sixth District

Karl L. Schaupp, San Francisco (1937)
 San Francisco County

Seventh District

Oliver D. Hamlin, Oakland (1935)
 Alameda and Contra Costa Counties

Eighth District

C. E. Schoff, Sacramento (1936)
 Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen,
 Modoc, Nevada, Placer, Plumas, Sacramento, Shasta,
 Sierra, Sutter, Tehama, Yolo, and Yuba Counties

Ninth District

Henry S. Rogers, Petaluma (1937)
 Del Norte, Humboldt, Lake, Marin, Mendocino, Napa,
 Siskiyou, Solano, Sonoma, and Trinity Counties

Councilors-at-Large

Junius B. Harris, Sacramento (1937)
 Harry H. Wilson, Los Angeles (1935)
 C. O. Tanner, San Diego (1936)
 William H. Kiger, Los Angeles (1937)
 Morton R. Gibbons, San Francisco (1935)
 T. Henshaw Kelly, San Francisco (1936)

DELEGATES AND ALTERNATES TO A. M. A.

Delegates	Sessions	Alternates
Enbridge Best	(1935)	Robert S. Stone
San Francisco		San Francisco
Lyell C. Kinney	(1935)	Harry H. Wilson
San Diego		Los Angeles
Fred B. Clarke	(1935)	A. J. Scott
Long Beach		Los Angeles
C. A. Dukes	(1935-1936)	Edward N. Ewer
Oakland		Oakland
Clarence G. Toland	(1935-1936)	Edward M. Pallette
Los Angeles		Los Angeles
Junius B. Harris	(1935-1936)	John H. Shephard
Sacramento		San Jose
William R. Molony, Sr.	(1935-1936)	John C. Ruddock
Los Angeles		Los Angeles

* Resigned.

STANDING COMMITTEES

Executive Committee

The President, the President-Elect, the Speaker of the House of Delegates, the Chairman of the Council, the Secretary-Treasurer, the Editor, and the Chairman of the Auditing Committee, the Chairman of the Committee on Public Relations, (Committee Chairman, Karl L. Schaupp; Secretary, Frederick C. Warnshuis.)

Auditing Committee

Karl L. Schaupp (Chairman).....San Francisco
 O. D. Hamlin.....Oakland
 Morton R. Gibbons.....San Francisco

Committee on Associated Societies and Technical Groups

Clifford Sweet, Oakland.....1935
 William H. Gelstweit, San Diego.....1936
 William W. Roblee (Chairman), Riverside.....1937

Committee on Extension Lectures

James F. Churchill, San Diego.....1935
 J. Homer Woolsey, Woodland.....1936
 Robert T. Legge (Chairman), Berkeley.....1937
 The Secretary.....Ex officio

Committee on Health and Public Instruction

Fred B. Clarke (Chairman), Long Beach.....1935
 W. R. P. Clark, San Francisco.....1936
 Benjamin W. Black, Oakland.....1937

Committee on History and Obituaries

Charles D. Ball, Santa Ana.....1935
 J. Marion Read, San Francisco.....1936
 George D. Lyman (Chairman), San Francisco.....1937
 The Secretary.....Ex officio
 The Editor.....Ex officio

Committee on Hospitals, Dispensaries, and Clinics

John C. Ruddock, Los Angeles.....1935
 Daniel Crosby (Chairman), Oakland.....1936
 Karl L. Schaupp, San Francisco.....1937

Committee on Industrial Practice

Morton R. Gibbons (Chairman), San Francisco.....1935
 Mott H. Arnold, San Diego.....1936
 Harry E. Zaiser, Orange.....1937

Committee on Medical Defense

George G. Reinle (Chairman), Oakland.....1935
 Fred R. De Lappe, Modesto.....1936
 John P. Nuttall, Santa Monica.....1937

Committee on Medical Economics

John H. Graves (Chairman), San Francisco.....1935
 William R. Molony, Sr., Los Angeles.....1936
 Willard Stone, Pasadena.....1937

Committee on Medical Education and Medical Institutions

George Dock, Pasadena.....1935
 Loren R. Chandler (Chairman), San Francisco.....1936
 John B. Doyle, Los Angeles.....1937

Committee on Membership and Organization

Harry H. Wilson (Chairman), Los Angeles.....1935
 Dewey R. Powell, Stockton.....1936
 Thomas H. McGavack, San Francisco.....1937
 The Secretary.....Ex officio

Committee on Publications

Ruggles A. Cushman, Talmage.....	1935
Frederick F. Gundrum, Sacramento.....	1936
Percy T. Magan (Chairman), Los Angeles.....	1937
The Secretary.....	Ex officio
The Editor.....	Ex officio

Committee on Public Policy and Legislation

Junius B. Harris (Chairman), Sacramento.....	1935
Fred R. De Lappe, Modesto.....	1936
E. T. Remmen, Glendale.....	1937
The President.....	Ex officio
The President-Elect.....	Ex officio

Committee on Scientific Work

J. Homer Woolsey, Woodland.....	1935
F. M. Pottenger, Monrovia.....	1936
Lemuel P. Adams, Oakland.....	1937
Fletcher B. Taylor, Secretary of Section on General Medicine.....	Ex officio
William P. Kroger, Secretary of Section on General Surgery.....	Ex officio
Frederick C. Warnshuis (Chairman).....	Ex officio

Committee on Public Relations

The Committee on Public Relations consists of the chairmen of the following standing committees and of certain general officers of the Association, who serve ex officio. The chairman of the committee is Dr. Charles A. Dukes, the secretary is Dr. Frederick C. Warnshuis. The director of the Department of Public Relations is Dr. Frederick C. Warnshuis.

Fred B. Clarke, Chairman, Committee on Health and Public Instruction.

Daniel Crosby, Chairman, Committee on Hospitals, Dispensaries, Clinics.

Morton R. Gibbons, Chairman, Committee on Industrial Practice.

Harry H. Wilson, Chairman, Committee on Membership and Organization.

John H. Graves, Chairman, Committee on Medical Economics.

Junius B. Harris, Chairman, Committee on Public Policy and Legislation.

Charles A. Dukes, Chairman, Cancer Commission.

Clarence G. Toland, President of the California Medical Association.

Robert A. Peers, President-Elect.

Frederick C. Warnshuis, Secretary-Treasurer.

Communications for the Public Relations Department should be addressed to the director, Dr. Frederick C. Warnshuis, Room 2004, 450 Sutter Street, San Francisco.

Cancer Commission

Orville Meland (Secretary for Southern Section), Los Angeles.....	1935
A. Herman Zeiler, Los Angeles.....	1935
Gertrude Moore, Oakland.....	1935
Harold Brunn, San Francisco.....	1936
Henry J. Ullmann, Santa Barbara.....	1936
Clarence G. Toland, Los Angeles.....	1936
Charles A. Dukes (Chairman), Oakland.....	1937
Lyell C. Kinney (Vice-Chairman), San Diego.....	1937
Alson R. Kilgore (Secretary), San Francisco.....	1937

Communications for the Cancer Commission should be addressed to the secretary, A. R. Kilgore, M. D., Room 2004, 450 Sutter Street, San Francisco.

SPECIAL COMMITTEES**Committee on Arrangements—Yosemite Annual Session**

Hartley G. Dewey (Chairman), Yosemite
Clarence G. Toland, Los Angeles
Lemuel P. Adams, Oakland
Robert A. Peers, Colfax
Eleanor Seymour, Los Angeles

Committee on Qualifying Certificate (Basic Science) Act

George H. Kress, General Chairman
Morton R. Gibbons, Chairman (for Bay Region)
Percy T. Magan, Chairman (for Southern California)
Junius B. Harris, Chairman (for Remainder of State)

REGISTRATION INFORMATION

Registration and Information.—The registration and information desk is located in the lobby, Ahwahnee Hotel. All persons attending the convention, whether members or not, are requested to register immediately on arrival. Beginning Monday, May 13, registration secretaries will be on duty daily from 9 a. m. until 5 p. m.

Programs and "Pre-Convention Bulletin."—The registration clerks will give to every member a copy of the program. The "Pre-Convention Bulletin" is printed in this issue of CALIFORNIA AND WESTERN MEDICINE. Delegates and alternates are especially requested to read the reports of officers and committees.

Guests and Visitors.—All guests and visitors are requested to register. All general meetings and scientific meetings are open to visitors and guests.

Badges.—Four kinds of badges will be issued by the registration bureau:

1. **Members.**—Only active, associate, retired or honorary members of the California Medical Association will be issued the usual membership badge.

2. **Guests.**—A guest badge will be issued to all fraternal delegates and visiting physicians who are attending the 1935 session.

3. **Delegates and Alternates.**—The usual official badge for each delegate and alternate is provided for this purpose, and will be issued only to one authorized to wear it.

4. **Officers.**—An official badge is provided for all officers and members of the Council.

Suggestions and Constructive Criticism.—The officers and committees have tried to do everything possible to make the session a success. Suggestions and constructive criticism calculated to make future sessions more useful will be welcomed by any of the officers. Complaints of whatever character should be promptly made to the registration desk, where they will receive attention.

Announcements

Please register on arrival and secure program and special announcements. Registration Bureau, Ahwahnee Hotel.

Delegates will please file credentials with committee at 7:30 p. m., Monday.

Secure tickets for President's Dinner at Registration Bureau. Dinner will be in Camp Curry dining room.

Please note meeting time of sections. Chairmen will be prompt in opening section meetings.

Commercial exhibitors cordially invite all members to visit their exhibits.

Park entrance fee \$2 per car—good for entire year.

Past President's Breakfast, 7:30 a. m., Tuesday.

Council will meet at call of the chairman.

COMMERCIAL EXHIBITS

Adohr Milk Farms, 1801 South La Cienega Boulevard, Los Angeles. Booth No. 30.

Ayerst, McKenna & Harrison, Ltd., Rouses Point, New York. Booth No. 26.

Bilhuber-Knoll Corporation, 154 Ogden Avenue, Jersey City, New Jersey. Booth No. 20.

Certified Laboratory Products, Ltd., 1379 Folsom Street, San Francisco. Booth No. 5.

Cutter Laboratory, Berkeley. Booth No. 17.

Don Baxter, Inc., 1505 Gardena Avenue, Glendale. Booth No. 18.

H. G. Fischer & Company, 2323 Wabansia Avenue, Chicago, Illinois. Booth No. 7.

General Electric X-Ray Corporation, 450 Sutter Street, San Francisco. Booth No. 24.

Gerber Products Company, Fremont, Michigan. Booth No. 24.

Golden State Company, Ltd., 425 Battery Street, San Francisco. Booth No. 19.

Mead Johnson & Company, Evansville, Indiana. Booth No. 21.

Medical Protective Company, Wheaton, Illinois. Booth No. 6.

Pet Milk Sales Corporation, 24 California Street, San Francisco. Booth No. 29.

Philip Morris & Company, Ltd., 444 Madison Avenue, New York. Booth No. 28.

J. W. Stacey, Inc., 870 Market Street, San Francisco. Booth No. 16.

Stokely Brothers and Company, 1214 Fifty-seventh Avenue, Oakland. Booth No. 25.

Surgical Mechanical Research, 531 South Witmer Street, Los Angeles. Booth No. 31.

Western Surgical Supply Company, Ltd., 1926 Wilshire Boulevard, Los Angeles. Booths Nos. 22, 23, and 27.

MEMBERS OF HOUSE OF DELEGATES—32nd ANNUAL SESSION

DELEGATES EX-OFFICIO (21)

Clarence G. Toland, Los Angeles.....	President
Robert A. Peers, Colfax.....	President-Elect
Frederick C. Warnshuis, San Francisco.....	Secretary-Treasurer
Edward M. Palette, Los Angeles.....	Speaker of the House of Delegates
John H. Graves, San Francisco.....	Vice-Speaker of the House of Delegates
George H. Kress, Los Angeles.....	Editor
W. W. Roblee, Riverside (1935).....	Councilor 1st District
Carl R. Howson, Los Angeles (1936).....	Councilor 2nd District
Henry J. Ullmann, Santa Barbara (1937).....	Councilor 3rd District
*Fred R. De Lappe, Modesto (1935).....	Councilor 4th District
Alfred L. Phillips, Santa Cruz (1936).....	Councilor 5th District
Karl L. Schaupp, San Francisco (1937).....	Councilor 6th District
Oliver D. Hamlin, Oakland (1935).....	Councilor 7th District
C. E. Schoff, Sacramento (1936).....	Councilor 8th District
Henry S. Rogers, Petaluma (1937).....	Councilor 9th District
Harry H. Wilson, Los Angeles (1935).....	Councilor-at-Large
C. O. Tanner, San Diego (1936).....	Councilor-at-Large
William H. Kiger, Los Angeles (1937).....	Councilor-at-Large
Morten R. Gibbons, San Francisco (1935).....	Councilor-at-Large
T. Henshaw Kelly, San Francisco (1936).....	Councilor-at-Large
Junius B. Harris, Sacramento (1937).....	Councilor-at-Large

ELECTED DELEGATES (117)

Alameda County (10)	
Delegates	Alternates
Lemuel P. Adams	Dorothy M. Allen
Daniel Crosby	Chesley Bush
C. A. Dukes	W. W. Crane
Edward N. Ewer	John A. Dougherty
Robert A. Glenn	John N. Ewer
T. C. Lawson	William F. Holcomb
Frank R. Makinson	Eric Liljencrantz
Albert M. Meads	George McClure
George G. Reinle	Paul Michael
William H. Sargent	T. Eric Reynolds
Butte County (1)	
N. T. Enloe	J. G. Hepplewhite
Contra Costa County (1)	
U. S. Abbott	Kaho Daily
Fresno County (3)	
G. W. Walker	C. M. Vanderburgh
Charles A. James	Edwin R. Scarboro
Thomas F. Madden	R. W. Dahlgren
Humboldt County (1)	
Orris R. Myers	Wilson Stegeman
Imperial County (1)	
L. C. House	Philip Hodgkin
Kern County (1)	
L. A. Packard	F. J. Gundry
Kings County (1)	
E. C. Bond	C. G. Newbecker
Lassen-Plumas County (1)	
G. S. Martin	C. I. Burnett
Los Angeles County (37)	
C. Max Anderson	Elliot Alden
Joseph T. Axline	L. A. Alesen
Wilford M. Briggs	John V. Barrow
Fred B. Clarke	Martin G. Carter
Jay J. Crane	Kenneth S. Davis
Dean E. Godwin	William Duffield
Leo J. Madsen	Walter L. Huggins
W. C. McKee	E. Eric Larson
William R. Molony, Sr.	Percy T. Magan
E. Earl Moody	W. S. Mortensen
John P. Nuttall	Thomas C. Myers
Oscar Reiss	William H. Olds
Philip H. Stephens	James F. Percy
Charles T. Sturgeon	John W. Shuman
Joseph K. Swindt	Joseph R. Shuman
W. T. Webber	R. G. Taylor
Robert W. Wilcox	Packard Thurber
E. Vincent Askey	Walter F. Wessels
E. M. Burns	Walter A. Bayley
George Dock	Frank J. Breslin
Leland Ellis	E. L. Commons
Ralph B. Eusden	Egerton L. Crispin
Orrie E. Ghrist	William H. Daniel
W. V. Chalmers-Francis	Phillip S. Doane
Lowell S. Goin	John B. Doyle
L. L. Henninger	John D. Gillis
George D. Maner	Bernard J. Hanley
Orville N. Meland	Louis Josephs
John W. Nevius	A. A. Kutzmann
Sterling N. Pierce	W. P. Kroger
John C. Ruddock	Samuel S. Mathews
Carl F. Rusche	W. A. Morrison
Raymond A. Sands	F. M. Pottenger
F. C. Swearingen	H. E. Schiffbauer
Arthur R. Timme	Willard J. Stone
E. Richmond Ware	A. H. Zeller
E. T. Remmen	John W. Crossan

* Resigned.
† Deceased.

Marin County (1)	
Delegates	Alternates
Carl W. Clark	Robert M. Furlong
Mendocino County (1)	
R. A. Cushman	
Merced County (1)	
Hartley G. Dewey	Fred O. Lien
Monterey County (1)	
Mast Wolfsohn	James McPharlin
Napa County (1)	
Allan Kier McGrath	George I. Dawson
Orange County (3)	
G. W. Olson	R. P. Yeagle
H. G. Huffman	M. W. Hollingsworth
D. R. Ball	F. H. Gobar
Placer County (1)	
Lucas W. Empey	Mildred E. Thoren
Riverside County (2)	
Thomas A. Card	Erwin P. Miller
G. W. Coon	N. K. Bear
Sacramento County (3)	
George A. Briggs	H. M. Kanner
Oscar F. Johnson	Paul W. Christman
F. N. Scatena	Dave F. Dozier
San Benito County (1)	
J. M. O'Donnell	R. L. Hull
San Bernardino County (3)	
C. L. Emmons	A. L. Weber
G. S. Landon	C. A. Wylie
Ray Moose	A. E. Varden
San Diego County (5)	
Hall G. Holder	Ross S. Carter
F. L. Macpherson	Andrew J. Thornton
S. J. McClendon	Clair L. Stealy
W. L. Garth	George D. Huff
Martha Welpton	James F. Churchill
San Francisco County (16)	
Philip H. Arnot	Hamilton H. Anderson
Zera E. Bolin	Elbridge J. Best
Edwin L. Bruck	LeRoy Brooks
Loren R. Chandler	William A. Carroll
L. Henry Garland	Garnett Cheney
Philip K. Gilman	G. D. Delprat
Irving S. Ingber	George N. Hosford
Alson R. Kilgore	William J. Kerr
Mary Jones-Mentzer	Thomas H. McGavack
George Warren Pierce	Merrill C. Mensor
Langley Porter	Raymund J. Millzner
George K. Rhodes	James W. Morgan
Wilbur F. Swett	Robert S. Stone
I. W. Thorne	Edward B. Towne
Hans von Geldern	Morrell E. Vecki
Rodney A. Yoell	William C. Voorsanger
San Joaquin County (2)	
Dewey R. Powell	Margaret H. Smyth
C. A. Broadbuss	R. T. McGurk
San Luis Obispo County (1)	
Jens W. Larsen	W. D. Butler
San Mateo County (1)	
Hartzell H. Ray	William F. Knorp
Santa Barbara County (2)	
Hugh F. Freidell	W. E. Johnson
Richard D. Evans	E. J. Lamb
Santa Clara County (4)	
R. Stanley Kneeshaw	John H. Shephard
Russell V. Lee	S. B. Van Dalsem
C. Kelly Canelo	James P. Lovely
C. M. Burchfiel	George L. Barry
Santa Cruz County (1)	
S. R. Tipton	M. D. McPherson
Shasta County (1)	
M. D. Pratt	C. H. Law
Siskiyou County (1)	
Charles C. Dickinson	Victor W. Hart
Solano County (1)	
S. G. Bransford	Warren C. Jenney
Sonoma County (1)	
F. O. Butler	Mark L. Lewis
Stanislaus County (1)	
Hans Hartman	R. S. Hiatt
Tehama County (1)	
J. L. Faulkner	E. E. Thompson
Tulare County (1)	
Karl F. Weiss	Ray W. Rosson
Ventura County (1)	
G. C. Coffey	William Felberbaum
Yolo-Colusa-Glenn County (1)	
C. A. Poage	C. S. Roller
Yuba-Sutter County (1)	
John A. Duncan	Neal M. Loomis

I—GENERAL MEETINGS

All General Meetings will be held in the Pavilion, Camp Curry

Monday, May 13, 10 A. M.

1. *Call to Order*—President C. G. Toland, M. D., Los Angeles.
2. *Announcements.*
3. *Greetings from American Medical Association*—President-elect J. S. McLester, M. D., Birmingham, Alabama.
4. *President's Address*—C. G. Toland, M. D., Los Angeles.
5. *Research in Medicine—Practical Applications*—E. Starr Judd, M. D., Rochester, Minn.

Tuesday, May 14, 11 A. M.

1. *Anemias, Experimental and Clinical*—George H. Whipple, M. D., University of Rochester School of Medicine, Rochester, New York.
2. *The Medicinal Treatment of Hepatic and Biliary Disorders*—Thomas P. Sprunt, M. D., Baltimore, Md.

Wednesday, May 15, 11 A. M.

Medico-Economic Problems:

1. *Profession's Economic Responsibility*—James S. McLester, M. D., Birmingham, Alabama.
2. *The Right to Regulate and the Reason for Regulation of Professions by the State, Methods Adopted for Regulation and the Attitude of Regulatory Bodies and the Courts with Relation Thereto*—Deputy Attorney-General Lionel Browne, San Francisco.
3. *Pertinent Facts Uncovered by the State Survey of Medical Services*—Paul A. Dodd, Director of California Medical Survey.
4. *What Is the Remedy?*—Harry H. Wilson, M. D., Secretary of the Committee of Five on Medical Survey.

II—HOUSE OF DELEGATES MEETINGS

32nd ANNUAL SESSION

Pavilion, Camp Curry

FIRST SESSION

May 13, 7:30 P. M.

Speaker, E. M. PALLETTE
Los Angeles

Vice-Speaker, J. M. GRAVES
San Francisco

Order of Business

1. Call to order.
2. Announcement by the Speaker on personnel of:
 - (a) Reference Committee on Resolutions and on New and Miscellaneous Business: Philip Gilman, San Francisco, Chairman; F. N. Scatena, Sacramento; Lowell S. Goin, Los Angeles.
 - (b) Reference Committee on Reports of Officers and of Standing Committees: John C. Ruddock, Los Angeles, Chairman; Langley Porter, San Francisco; W. W. Roblee, Riverside.
 - (c) Credentials Committee: E. Eric Larson, Los Angeles, Chairman; Lemuel P. Adams, Oakland; S. J. McClendon, San Diego.
3. Report of Credentials Committee.
4. Roll Call.
5. Address of President Clarence G. Toland.
6. Report of the Council. T. Henshaw Kelly, Chairman.
7. Report of the Auditing Committee, Karl L. Schaupp, Chairman.
8. Report of the Secretary-Treasurer, Frederick C. Warnshuis.
9. Report of the Editor, George H. Kress.
10. Report of the General Counsel, Hartley F. Peart.
11. Report of the Chairman of the Committee on Public Relations, Charles A. Dukes.
12. Report of the Chairman of the Cancer Commission, Charles A. Dukes.
13. Report of The Trustees Of The California Medical Association, T. Henshaw Kelly, President.
14. Unfinished business.
 - (a) Amendments to Constitution.*
15. New business. (Introduction of resolutions.)
16. Reading and adoption of minutes.
17. Adjournment.

* Editor's Note.—The proposed amendments are submitted with the Report of the Secretary (see page 308).

SECOND SESSION

May 15, 7:30 P. M.

Order of Business

1. Call to order.
2. Roll call.
3. Announcement of meeting place of 1936 annual session.
4. Election of:
 - (a) President-Elect.
 - (b) Speaker of the House of Delegates.
 - (c) Vice-Speaker of House of Delegates.
 - (d) Councilors.

First District—Incumbent, W. W. Roblee, Riverside (1935).

Fourth District—Incumbent, Fred R. DeLappe, Modesto (1935). Resigned.

Seventh District—Incumbent, Oliver D. Hamlin, Oakland (1935).

Councilors-at-Large—Incumbents:
Harry H. Wilson, Los Angeles.
Morton R. Gibbons, San Francisco.
 - (e) Delegates and Alternates to American Medical Association for sessions 1936-1937.

Incumbents of session 1935 are:

Delegates	Alternates
Elbridge Best San Francisco	Robert S. Stone San Francisco
Lyell C. Kinney San Diego	Harry H. Wilson Los Angeles
Fred B. Clarke Long Beach	A. J. Scott Los Angeles
5. Approval of members of standing committees elected by the Council.
6. Report of Reference Committee on Reports of Officers and Standing Committees.
7. Report of the Reference Committee on Resolutions and on New and Miscellaneous Business.
8. Presentation of President.
9. Presentation of President-Elect.
10. Reading and adoption of minutes.
11. Adjournment.

Table 1—Time and Place of Various Meetings and Entertainment

	Monday, May 13		Tuesday, May 14		Wednesday, May 15		Thursday, May 16	
	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.	A. M.	P. M.
Pavilion Curry	General Meeting	Symposium Medicine, Surgery, Pathology Sections	Medicine and General Meeting	ENTERTAINMENT—OPEN AFTERNOON	Medicine and General Meeting		Medicine	
Dining Room 1 Curry			Surgery		Surgery	Symposium Surgery and Radiology	Surgery	Surgery
Dining Room 2 Curry			Gynecology and Obstetrics			Gynecology and Obstetrics		
Colonial Ahwahnee		Industrial Medicine and Surgery	Eye, Ear, Nose and Throat		Eye, Ear, Nose and Throat		Eye, Ear, Nose and Throat	
Ping-Pong Ahwahnee		Urology	Dermatology		Dermatology	Dermatology		
California Room Ahwahnee			Industrial Medicine and Surgery					
Writing Room Ahwahnee		Neuropsychiatry	Anesthesiology		Anesthesiology	Neuropsychiatry		
Solarium Ahwahnee		Pediatrics	Pathology		Pathology	Pediatrics	Pathology	
Tudor Lounge Ahwahnee		Radiology	Urology				Radiology	
Dining Room Curry				President's Dinner				
Room 330	Council							
Ahwahnee			Past President's Breakfast, 7:30		County Secretaries' Luncheon, 12:30 noon		Scientific Program and Section Officers' Luncheon, 12:30 noon	

III—SCIENTIFIC EXHIBITS

Lobby, Ahwahnee Hotel

1. *Pyodermatoses*—Nelson Paul Anderson, M. D., and Samuel Ayres, Jr., M. D., Los Angeles.

The material will be entirely photographic and consists of clinical pictures of the pus-forming infections of the skin, including impetigo contagiosa, ecthyma, sycosis vulgaris, infectious eczematoid dermatitis, lupoid sycosis, dermatitis papillaris capillitii, recalcitrant pustular eruptions of the palms and soles, granuloma pyogenicum, and the rare blastomycosis-like lesions of the skin produced by pus-forming organisms.

2. *Exhibition of various substances of therapeutic value in the metabolic fields that have been obtained in pure or nearly pure form*—Alfred E. Koehler, M. D., Santa Barbara.

Unsuccessful treatment with glandular and vitamin preparations so often is due to lack of potency. Standardization is greatly facilitated

when the products have reached a high degree of purification. On the other hand, the danger of overdosage becomes an important factor when a high degree of potency has been reached. An example of overdosage can readily be demonstrated in the use of a preparation such as vitamin D. The high purification and chemical identification, such as vitamin C, has permitted simple chemical assay in food material and also in the urine excretion, permitting accurate balances to be carried out. The chemical test for vitamin C will be demonstrated.

3. *Wax models of stomachs of the Northern sea elephant, the California sea lion, the Harbor seal and the Galapagos fur seal, demonstrating gastric ulcers; also greatly enlarged wax models of the parasite Anisakis similis*—C. R. Schroeder, Veterinary Pathologist, Zoölogical Society of San Diego.

IV—ENTERTAINMENT

Monday

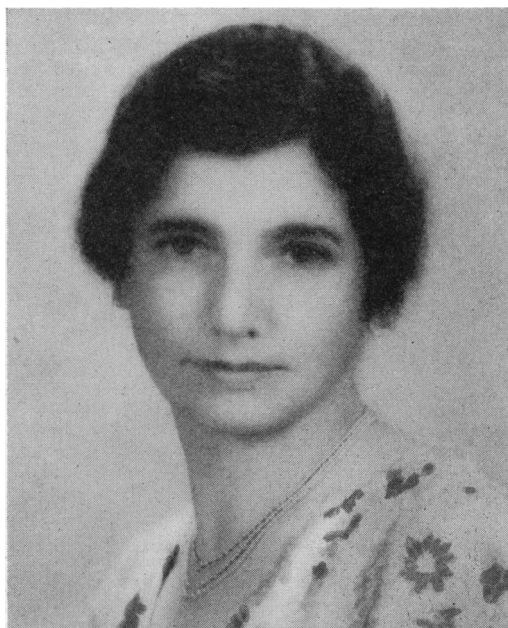
Tea, 4 p. m., Ahwahnee Hotel.
Fire Fall, 9 p. m.
Feeding the Bears, 9:30 p. m.

Tuesday

Auxiliary Tea—Honoring Mrs. Toland, 4 to 6 p. m., Ahwahnee Hotel.
President's Dinner, 7 p. m. Entertainment and dance.
Tuesday afternoon: No meetings scheduled. Opportunity for drive through Park, golf, tennis, etc.



MRS. PHILIP SCHUYLER DOANE
President



MRS. HARRY E. HENDERSON
Recording Secretary

V—WOMAN'S AUXILIARY

Sixth Annual Convention

WOMAN'S AUXILIARY TO THE CALIFORNIA MEDICAL ASSOCIATION

Yosemite National Park

Headquarters, The Ahwahnee—May 13 to 16, 1935

Mrs. Philip Schuyler Doane, President
Mrs. Frederick N. Scatena, Convention Chairman

Sunday, May 12

Arrival of delegates, members and guests, greeted by hostesses.

Afternoon tea in the Ahwahnee Lounge.

9:30 p.m.—Firefall ceremonies.

Monday, May 13

8:45 a.m.—Pre-Convention State Board meeting.

10:00 a.m.—Opening session of California Medical Association. All Auxiliary members are invited to attend.

9:00 a.m. to 1:00 p.m.—Registration in the lobby.

1:00 p.m.—Round-table luncheon at the Ahwahnee.

2:30 p.m.—Tour of the floor of the Valley, personally conducted by special guide.

9:00 p.m.—Reception and musicale in honor of Mrs. Clarence G. Toland.

Tuesday, May 14

9:00 a.m. to 4:00 p.m.—Registration in the lobby.

9:30 a.m.—Opening session of the sixth annual convention, Mrs. Doane presiding.

1:30 p.m.—Luncheon in honor of Mrs. Philip Schuyler Doane. Mrs. William H. Sargent will preside. Mrs. Harold Dewey Barnard, Chairman of Ar-

rangements. The members of the State Advisory Council will be honor guests. Guest speaker, Dr. Frederick C. Warnshuis, secretary-treasurer of the California Medical Association and Speaker of the House of Delegates of the American Medical Association. Presentation of the Membership Trophy, Mrs. Doane.

4:00 p.m.—Afternoon tea in the Ahwahnee Lounge in honor of the past presidents of the Auxiliary.

7:00 p.m.—Dinner and dance, California Medical Association.

Wednesday, May 15

9:00 a.m. to 11:00 a.m.—Registration in the lobby.

9:30 a.m.—Second general business session and election of officers, Mrs. Doane presiding.

1:30 p.m.—Luncheon in honor of Mrs. Thomas J. Clark, president 1935-1936, at the Ahwahnee. Mrs. Philip Schuyler Doane will preside. Mrs. A. A. Alexander, Chairman of Arrangements. Guest speaker, Dr. James S. McLester, president-elect of the American Medical Association.

3:00 p.m.—Post-convention State Board meeting, Mrs. Thomas J. Clark presiding.

9:00 p.m.—Music and bridge party at the Ahwahnee. Mrs. John V. Barrow will be chairman of the evening.

WOMAN'S AUXILIARY TO THE CALIFORNIA MEDICAL ASSOCIATION

CONVENTION COMMITTEES

Committee on Arrangements

Mrs. Frederick N. Scatena, Chairman	Mrs. George Briggs
Mrs. J. Roy Jones	Mrs. Bruce Barnes
Mrs. Harry Kanner	Mrs. Paul H. Guttman
Mrs. Orrin Cook	
Mrs. Junius B. Harris	

Transportation and Sightseeing

Mrs. N. N. Brown, Chairman	Mrs. J. Frank Doughty
Mrs. Hobart Rogers	Mrs. F. W. Yocom
Mrs. Solomon N. Well	
Mrs. C. Kelly Canelo	

Information

Mrs. William A. Swim, Chairman	Mrs. Mark Albert Glaser
Mrs. A. Brockway	Mrs. Charles E. Peters
Mrs. John Crossan	Mrs. H. E. Schiffbauer
Mrs. A. M. Hansen	Mrs. H. D. Newton
Mrs. F. E. Detling	Mrs. William H. Olds
Mrs. R. S. Kneeshaw	

Decorations and Flowers

Mrs. Bruce Barnes, Chairman	Mrs. George A. Briggs
Mrs. Orrin Cook	
Mrs. Paul Guttman	

Hostesses

Mrs. Andrew Mitchell Henderson, Chairman
 Mrs. William W. Roblee
 Mrs. John V. Barrow
 Mrs. C. Kelly Canelo
 Mrs. Robert T. Sutherland
 Mrs. Manuel Fernandez
 Mrs. Harry Huffman
 Mrs. Homer H. Wolfe
 Mrs. Hervey S. Paris
 Mrs. John van Paing
 Mrs. Emil C. Black
 Mrs. N. N. Brown
 Mrs. Chester J. Teass
 Mrs. Charles Dukes
 Mrs. Louis Henry Dyke
 Mrs. Ruggles A. Cushman
 Mrs. D. C. Cowles
 Mrs. Arthur W. Walker
 Mrs. Willard H. Newman
 Mrs. Robert A. Peers
 Mrs. Ursa S. Abbott
 Mrs. Frederick F. Gundrum
 Mrs. Thomas J. Clark
 Mrs. Russell V. A. Lee
 Mrs. Harold Dewey Barnard
 Mrs. Edward M. Pallette
 Mrs. H. H. Lissner
 Mrs. Charles Sidney Stevens
 Mrs. William H. Sargent
 Mrs. Charles E. Howard
 Mrs. Frank Edwin Coulter
 Mrs. George G. Hunter
 Mrs. Henry S. Rogers
 Mrs. Philip Stephens
 Mrs. John H. Shepherd
 Mrs. James Fulton Percy
 Mrs. Dexter Ball
 Mrs. A. Elmer Belt
 Mrs. E. G. Raitt
 Mrs. George G. Reinle
 Mrs. George H. Sanderson
 Mrs. G. I. Sellon
 Mrs. A. A. Alexander
 Mrs. H. O. Cleland
 Mrs. Harry E. Henderson
 Mrs. Frederick N. Scatena
 Mrs. Horace Frederick Pierce
 Mrs. Frank S. Baxter
 Mrs. Robert E. Gleason
 Mrs. F. J. Conzelmann
 Mrs. John Norton Ewer
 Mrs. Leroy B. Sherry
 Mrs. Carl R. Howson
 Mrs. Clifford A. Wright

Parliamentarian

Mrs. Frederick F. Gundrum

Credentials and Registration

Mrs. H. Waldo Spiers, Chairman
 Mrs. Chester J. Teass
 Mrs. Elliot Alden
 Mrs. Glenn E. Myers
 Mrs. H. Douglas Eaton
 Mrs. George D. Maner
 Mrs. Arnold M. Scholz
 Mrs. A. H. Zeller
 Mrs. Harold P. Hare
 Mrs. Alvin G. Foord
 Mrs. W. D. Gilkey
 Mrs. Harry F. Markolf

Publicity

Mrs. A. Elmer Belt, Chairman
 Mrs. Harry E. Henderson
 Mrs. Bert Thomas
 Mrs. Frank P. Brendel
 Mrs. A. M. Hansen
 Mrs. C. M. Burchfiel
 Mrs. Harold Trimble
 Mrs. Robert E. Gleason
 Mrs. K. H. Sutherland
 Mrs. W. Remfrey Hunt
 Mrs. Arthur J. Thornton

Ushers

Mrs. Franklin I. Ball, Chairman
 Mrs. John L. Volz
 Mrs. H. T. S. Bonesteel
 Mrs. Peter H. Blong
 Mrs. Hiram Curry
 Mrs. G. W. Olson
 Mrs. M. K. Tedstrom
 Mrs. L. F. Whitacre

Pages

Mrs. E. Vincent Askey
 Mrs. C. F. Browning

Properties

Mrs. Robert E. Gleason
 Mrs. Edward Norton Ewer

Finance

Mrs. Frederick N. Scatena

MAY IN YOSEMITE

This year's session of the California Medical Association, as you undoubtedly already know, is to be held in Yosemite Valley, May 13 to 16.

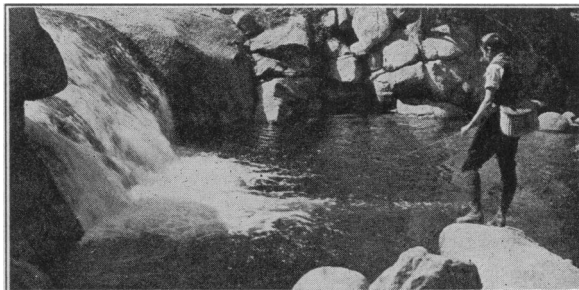
This paper is written in an attempt to point out the possibilities of this beautiful spot during the month of May.

Of course, the major attraction of the Valley during this period is the full beauty of the waterfalls. With the snow of the high Sierra still in the process of melting, water in the falls is at its height, and they present perhaps the most typical phase of the Valley's changing moods.

Another beautiful boon which the spring brings to Yosemite and the surrounding mountains is the carpet of wild flowers. With the possible exception of the autumn, the Park is at its colorful best during this period.

According to the government weather man stationed here, the severe winter just past promises the finest flow of water over the falls in the history of the Valley. Precipitation (including the rain and the unusually high water content of the snow) reached a record high during the winter months.

All of Yosemite's larger falls—such as Yosemite, Bridal Veil, Vernal, and Nevada—made familiar to nearly everyone by the many published pictures, are of course the first that will catch your eye. But, besides these, there are dozens of others, less spectacular perhaps, but many of them higher and more beautiful than their larger brothers. These are falls that do not last through the entire year—some of them, in fact,



A Sportsman's Paradise

last less than a month. But during May they, too, will be at their best.

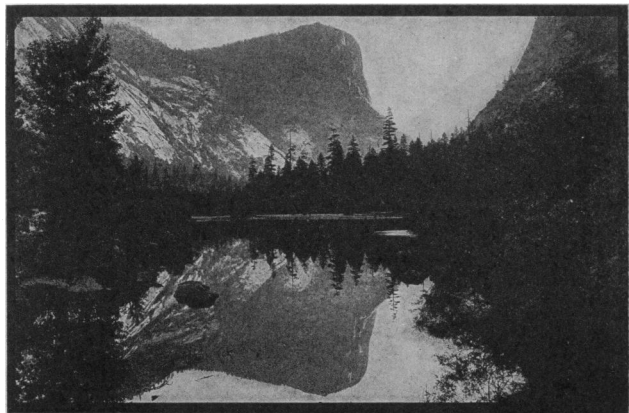
Animal life in the Park is also at its height during this part of the year. The bears have appeared again after their winter hibernation, and the Park is alive with deer and smaller wild life. Rangers declare that spring brings more than 150 varieties of birds to Yosemite.

Yosemite Valley is actually only a small part of the huge area of Yosemite National Park. It contains only seven square miles out of a total area of 1,176. So, actually, no Yosemite trip can be complete without including hikes and saddle trips into the country back of the rim of the Valley.

Other diversions available during May include excellent fishing, golf, tennis, swimming, dancing, barbecues, or just plain leisurely loafing if that is your desire. Full information as to these and many other activities is obtainable anywhere in the Park. Or, if you wish to plan ahead for any particular trip, you can get full information by addressing the Yosemite Park and Curry Company, Yosemite.

Members of the Association may be interested to know that there is a fully equipped hospital in the Valley. The Lewis Memorial Hospital, named for W. B. Lewis, a former superintendent of the Park, is owned and operated, under a concession from the Government, by Dr. Hartley Dewey. Assisting him are Dr. Lee Weiss and from three to five nurses, depending upon the season of the year.

The hospital contains twelve beds and a nursery, and between five and six beds per day are occupied, on the average. It was built late in 1929 and contains modern, fully equipped laboratories. Doctor Dewey has announced that the hospital will be open for inspection during the session.



Mirror Lake, Yosemite Valley

VI—SECTION MEETINGS

Scientific Section Programs

(Numbers in parenthesis after each section indicate sequence reference numbers of papers read in each section.)

	PAGE
I.—General Medicine (1-20).....	288
II.—General Surgery (22-43).....	290
III.—Obstetrics and Gynecology (44-53).....	292
IV.—Eye, Ear, Nose and Throat (55-66).....	293
V.—Anesthesiology (67-73).....	295
VI.—Dermatology and Syphilology (74-89)	295
VII.—Industrial Medicine and Surgery (90-98)	297
VIII.—Neuropsychiatry (99-108).....	298
IX.—Pathology and Bacteriology (109-123)	299
X.—Pediatrics (124-134).....	300
XI.—Radiology (135-145).....	301
XII.—Urology (146-155).....	302
XIII.—Cancer Commission.....	303

Rules Regarding Papers and Discussions at the Annual State Session:

Upon recommendation of the Executive Committee, the following rules regarding papers have been adopted by the Council:

1. All papers read before a section of an annual session are the property of CALIFORNIA AND WESTERN MEDICINE.

2. The maximum time that may be consumed by any paper is fifteen minutes, provided that not to exceed ten minutes' latitude may be allowed invited guests at the discretion of the presiding chairman.

3. The maximum time permitted any individual to discuss a paper is four minutes. This also applies to the author in closing his discussion. No speaker may discuss more than once any one subject. The presiding officer of each section is expected to enforce these rules.

4. A copy of each and every paper presented at the state meeting must be in the hands of the chairman or secretary of the section, or in the hands of the general secretary before the paper is presented.

Each paper must be typewritten in double space. Single space and carbon copies are not acceptable.

5. All papers read at an annual session of the California Medical Association automatically become the property of the Association (By-Laws, Chapter VI, Section 4). The Committee on Publications of the official publication, CALIFORNIA AND WESTERN MEDICINE, decides whether or not the paper submitted is of such nature as to be published in full in CALIFORNIA AND WESTERN MEDICINE or in abstract form. (In case the latter procedure is followed, the expense of setting up the type for reprints may be borne by the Association.) It is also the ruling when any section has a larger number of papers on its program than can be covered in a two-day session, that not more than the average number of papers from such section shall be printed, unless for special reasons. Manuscripts not accepted for CALIFORNIA AND WESTERN MEDICINE will be returned to the authors, for submission to other medical journals, if so desired.

6. Articles are accepted for place on the program on condition that they are also contributed solely to CALIFORNIA AND WESTERN MEDICINE. Authors desiring to publish their papers elsewhere than in the journal must make written request to the editor. Papers submitted at meetings of this Association must not have been previously submitted or printed elsewhere.

7. No paper will be accepted by the General Program Committee nor by Section Program Committees unless accompanied by a synopsis of not to exceed fifty words.

8. Papers shall not be "read by title." Papers should be original typewritten copies, double spaced, and should be handed to the section secretary after having been read.

9. No member may present more than one paper at any annual session, provided that a member may be a collaborator on more than one paper, if these papers are presented by different authors.

10. Failure on the part of an author to present a paper precludes acceptance of future papers from such author for a period of two years, unless the author explains to the satisfaction of the Executive Committee his inability to fulfill his obligations.

Numbering of Section Papers

For convenience in reference, papers are numbered in serial sequence for the entire session, instead of a separate sequence for each section.

Business Meetings of Sections

Time of business meetings and elections of officers of sections will be scheduled on section blackboards by section secretaries, and through preliminary announcements by section chairmen.

Unless otherwise announced, the business meeting of each section and the election of officers will be held immediately after the reading of the second paper on the second day's section program.

I

GENERAL MEDICINE SECTION*

HILMAR O. KOEFOD, M. D., *Chairman*
1421 State Street, Santa Barbara

FLETCHER B. TAYLOR, M. D., *Secretary*
400 Twenty-Ninth Street, Oakland

First Meeting—Pavilion, Camp Curry
Monday, May 13, 2 p. m.

Clarence G. Toland, presiding

SYMPOSIUM ON DISORDERS OF THE LIVER

This will be a joint meeting of the following sections: Medicine, Surgery, Pathology and Bacteriology, and Obstetrics and Gynecology Sections.

1. *Regeneration of Hemoglobin and Plasma Proteins as Related to the Liver*—George H. Whipple, M. D., Dean and Professor of Pathology, University of Rochester School of Medicine, Rochester, New York. (By invitation.)

2. *Acute Disorders of the Liver*—Thomas P. Sprunt, M. D., Associate in Medicine, Johns Hopkins University Medical School, Baltimore, Maryland. (By invitation.)

Acute disturbances associated with jaundice; those not associated with jaundice; acute diseases due to infection; acute disorders due to chemical poisons; the physician's responsibility in such cases; the recognition and treatment of acute hepatic disorders.

3. *Tests for Liver Function*—William J. Kerr, M. D., University of California Medical School, San Francisco.

Certain tests for permeability of the liver and for determining the several functional activities of the liver are of value in clinical medicine. Their use will be discussed.

4. *Surgical Treatment of Diseases of the Bile Ducts*—Verne C. Hunt, M. D., 727 West Seventh Street, Los Angeles.

A consideration of common and hepatic-duct stones, stricture of the common or hepatic ducts, primary malignant disease of these structures, and extrinsic obstructing lesions; also surgical indications and procedures in the treatment of lesions of the extrahepatic bile ducts.

5. *The Liver and Carbohydrate Metabolism*—Douglas R. Drury, M. D., Professor of Physiology, University of Southern California, Los Angeles. (By invitation.)

The liver is the center for maintaining the proper blood sugar level; it stores extra glucose as glycogen, and releases this when needed. Besides this it has the remarkable capacity to convert into glucose a great variety of compounds such as glycerol, other carbohydrates, and many amino-acids.

Deposition of fat is checked by deposition of glycogen, and vice versa. The presence of fat in the liver decreases its functional capacity.

Discussion of symposium by Fred H. Kruse, M. D., San Francisco; Carl L. Schmidt, M. D., Berkeley; Theodore L. Althausen, M. D., San Francisco; and Alvin G. Foord, M. D., Pasadena.

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Second Meeting—Pavilion, Camp Curry
Tuesday, May 14, 8:30 a. m.

6. *The Treatment of Asthma and Other Allergic Phenomena by the Oral Administration of Adrenal Hormones*—F. M. Pottenger, M. D., and F. M. Pottenger, Jr., M. D., Monrovia.

On the basis of allergic phenomena being associated with changes in physiologic equilibrium

* N. T. Ussher, M. D., 1421 State Street, Santa Barbara, and J. B. Graesser, M. D., 242 Moss Avenue, Oakland, are monitors for the General Medicine Section.

similar to those found in adrenal insufficiency, the cortical hormone was administered as an adjuvant to epinephrin. Salt and a special diet were also employed. Oral administration of adrenal substance was found satisfactory.

Discussion by James B. Graeser, M. D., Oakland.

7. *Agranulocytosis*—O. C. Railsback, M. D., Woodland Clinic, Woodland.

A summary of the salient features of the disease; its history and the pathological physiology; a discussion of the clinical aspect, emphasizing the diagnostic features, cause, differential diagnosis, and the relation of certain heavy metals and drugs, with special reference as to the rationale of the various forms of therapy.

Discussion by Stacy R. Mettier, M. D., San Francisco, and Madison J. Keeney, M. D., Los Angeles; O. H. Garrison, M. D., Oakland.

8. *The Adrenals—A Clinical and Pathological Study*—Ernest M. Hall, M. D., and Louisa Hemken, M. D., University of Southern California Medical School, Los Angeles.

Pathologic adrenal glands have been collected over a period of six years. The authors intend to present this material together with a short clinical history of each case. The material includes hemorrhage in the newborn (four cases) and adults (five cases); five cases of atrophy (postoperative death in three); Addison's disease due to tuberculosis (five cases); hypertrophy of the adrenals (one case); primary and secondary tumor growths (five cases).

Discussion by B. O. Raulston, M. D., Los Angeles, and Paul H. Guttman, M. D., Sacramento.

9. *Subtotal Bilateral Adrenalectomy in Essential Hypertension*—Neville T. Ussher, M. D., 1421 State Street, Santa Barbara, and P. A. Gray, M. D., 317 West Pueblo Street, Santa Barbara.

Detailed cardiorenal and metabolic studies in hypertension before and after subtotal bilateral adrenalectomy. Satisfactory and continued lowering of blood pressure following operation; also relief from previous incapacitating migraine attacks.

Discussion by Thomas Addis, M. D., San Francisco, and Howard W. Fleming, M. D., San Francisco.

10. *Heart Disease in Physicians*—Robert W. Langley, M. D., 1930 Wilshire Boulevard, Los Angeles.

A statistical report on the histories of one hundred and sixty-five physicians complaining of symptoms referable to the heart. Analysis of the various diagnoses is made and presented with the aid of charts.

Discussion by Eugene S. Kilgore, M. D., San Francisco, George Dock, M. D., Pasadena, and Willard J. Stone, M. D., Pasadena.

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Third Meeting—Pavilion, Camp Curry Wednesday, May 15, 8:30 a. m.

SYMPOSIUM ON CLINICAL PROBLEMS OF PITUITARY FUNCTION

11. *The Relation of the Pituitary Gland to Diabetes and Other Aspects of Carbohydrate Metabolism*—I. L. Chaikoff, M. D., University of California Medical School, Berkeley. (By invitation.)

(1) Recent developments in the effect of hypophysectomy on insulin sensitivity; (2) the effect of hypophysectomy on the course of pancreatic diabetes and its therapeutic significance; (3) recent developments in the isolation of pituitary hormones regulating metabolism (diabetogenic hormone).

12. *Experience with the Anterior Pituitary Growth Factor*—E. Kost Shelton, M. D., 34 West Micheltorena Street, Santa Barbara.

A study of the clinical applications of the growth fraction of the adenophyphysis: Evalu-

ation of its ability to produce growth and to combat hypophyseal insufficiency. Report of cases.

Discussion by Lyman A. Cavanaugh, M. D., Santa Barbara.

13. *Effect of Irradiation of Pituitary in Dysmenorrhea*—R. R. Newell, M. D., and A. V. Pettit, M. D., Stanford University School of Medicine, San Francisco.

One hundred and seventy-two patients suffering, some from dysmenorrhea, some from amenorrhea, and some from menopausal symptoms, were given x-ray treatment to the pituitary. During the same time an arbitrarily chosen series of sixty-six similar cases were exposed to an imitation of the same x-ray treatment, without actually receiving any x-ray. The subsequent symptomatology is compared for the two series.

14. *Gonadotropic Hormones*—C. F. Fluhmann, M. D., Stanford University Hospital, San Francisco.

Recent investigations have shown the existence in the blood or urine of men and women of substances which are capable of inducing specific changes in the ovaries or testes of experimental animals. Discussion of the possible significance of these factors, the conditions under which they appear, their relation to the anterior hypophysis, and their usage in clinical work.

15. *Pituitary-Adrenal Relationships*—Hans Lissner, M. D., University of California Medical School, San Francisco.

Both experimental and clinical evidence exists, highly suggestive of intimate interdependence between the anterior pituitary (adenophyphysis) and the adrenal cortex. A new anterior lobe hormone, adrenotropic, has been described and prepared in fairly pure state. Special consideration will be devoted to Cushing's disease, so-called pituitary basophilism, and to the adrenocortical syndrome, genitosurrenale. (Lantern slides.)

RECESS

Election of Officers and Business Meeting.

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Fourth Meeting—Pavilion, Camp Curry Thursday, May 16, 8:30 a. m.

16. *The General Aspects of Cancer Susceptibility*—Ludwig A. Emge, M. D., 2000 Van Ness Avenue, San Francisco.

Theories of origin of malignant tumors will be discussed. The change from normal to cancer cell will be shown to depend upon tissue environment, and this tissue environment will be shown to depend upon hereditary factors. This is a lantern slide presentation of experimental material.

Discussion by Paul Michael, M. D., Oakland.

17. *The Uremia of Circulatory Failure*—A. A. Alexander, M. D., 1904 Franklin Street, Oakland.

The physics of kidney function will be discussed. Sudden or prolonged drop in blood pressure upsets normal renal activity. Though of frequent occurrence, this condition has only been recorded once in medical literature. Measures for recognition and treatment are discussed.

Discussion by John C. Ruddock, M. D., Los Angeles, and Thomas Addis, M. D., San Francisco.

18. *Hodgkin's Disease, Pulmonary Involvement*—Ernest H. Falconer, M. D., 384 Post Street, San Francisco, and Maurice Leonard, M. D., 639 Buena Vista Avenue, San Francisco.

This study is based on fifty-five cases of Hodgkin's disease; fifteen showed lesions of the lungs and pleura. Pathology, gross and microscopic, discussed. Types of x-ray manifestation shown and discussed. Treatment. Prognosis.

Discussion by Verne R. Mason, M. D., Los Angeles.

19. *Total Ablation of the Thyroid Gland for Congestive Heart Failure and Angina Pectoris*—J. H. Pettis, M. D., 1759 Fulton Street, Fresno, and E. D. Sorsky, M. D., Fresno County Hospital, Fresno.

A brief discussion of the present status of total ablation of the thyroid is presented. Several cases are discussed and certain stages in the surgical technique are illustrated by motion pictures.

Discussion by William Dock, M. D., San Francisco, and Richard D. Friedlander, M. D., San Francisco.

20. *Management of the Decompensated Heart*—R. Manning Clarke, M. D., 606 South Hill Street, Los Angeles.

Discussion of practical points in the use of well-known things such as rest, exercise, diet, position in bed, etc. Methods of administration and withdrawal of digitalis will be given special consideration. When to stop, and conditions demanding the indefinite continuance of treatment will be stressed; untoward signs in prognosis will be brought forward.

Discussion by William Leake, M. D., Los Angeles, and William H. Barrow, M. D., San Diego.



II

GENERAL SURGERY SECTION*

PHILIP K. GILMAN, M. D., *Chairman*
2000 Van Ness Avenue, San Francisco

WILLIAM P. KROGER, M. D., *Secretary*
902 Wilshire Medical Building
1930 Wilshire Boulevard, Los Angeles

H. GLENN BELL, M. D., *Assistant Secretary*
University of California Hospital
San Francisco

First Meeting—Dining Room, Camp Curry
Monday, May 13, 2 p. m.

SYMPOSIUM ON DISEASES OF THE LIVER

This will be a joint meeting of the following sections: Medicine, Surgery, Pathology and Bacteriology, Gynecology and Obstetrics Sections.

The program of this joint meeting is printed under the first meeting of the General Medicine Section. (See page 288.)



Second Meeting—Dining Room, Camp Curry
Tuesday, May 14, 8:30 a. m.

22. *Adenoma of the Parathyroid Glands Associated with Hyperparathyroidism*—Leon Goldman, M. D., University of California Hospital, San Francisco. (By invitation.)

This paper discusses the different phases of the concept of hyperparathyroidism and differentiates parathyroid adenoma, with its characteristic skeletal and metabolic changes, from other allied diseases of the bones or parathyroid body. Case reports are given of two patients of the same family who had hyperparathyroidism simulating giant cell tumor. Both patients were treated successfully by surgical removal of parathyroid adenomata.

Discussion by V. R. Abraham, M. D., Long Beach, and William C. Deamer, M. D., San Francisco.

*H. Brodie Stephens, M. D., San Francisco, and John M. Schmoele, M. D., Los Angeles, are monitors for the General Surgical Section.

23. *Toxic Adenoma of the Thyroid Gland with Normal or Lowered Basal Metabolic Rate*—H. H. Searls, M. D., University of California Hospital, San Francisco.

Consultants frequently permit the basal metabolic rate to influence strongly their impressions regarding disease of the thyroid gland.

In many patients this test does not parallel the clinical picture. The person with adenomatous goiter may show definite signs and symptoms of toxicity, but also exhibit evidences of hypothyroidism and have a low basal metabolic rate.

It is the purpose of this paper to present such a clinical picture, to point out the need for its recognition when encountered, and to attempt an explanation of the seeming paradox.

Discussion by Hans Lisser, M. D., San Francisco, Philip K. Gilman, M. D., San Francisco, and Benjamin Eager, M. D., San Diego.

24. *Head Injuries Complicated by Internal Hemorrhage*—D. H. Werden, M. D., Medico-Dental Building, San Diego.

This paper is based on thirty-five cases of head injury (all with concussion, sixteen with skull or brain injury, twenty-one with prolonged coma) which were complicated by associated obscure internal injuries resulting in internal hemorrhage. The paper emphasizes the clinical picture of head injury, and contrasts with this the picture presenting when there is, in addition, an internal injury. The latter is often the more serious injury, is often overlooked especially in the presence of coma and skull fracture, and results in death if unrecognized. Fifteen lantern slides shown in rapid succession illustrate the paper.

Discussion by Carl W. Rand, M. D., Los Angeles, and Edmund J. Morrissey, M. D., San Francisco.

25. *The Acute Traumatic State*—Edmund Butler, M. D., 490 Post Street, San Francisco.

Often the resultant injuries from automobile accidents and industrial accidents prove rapidly fatal. Occasionally life may be prolonged if the diagnosis may be made. The following conditions are to be discussed: head, chest, abdomen, extremities and trunk.

Discussion by Wallace Dodge, M. D., Los Angeles, and J. Homer Woolsey, M. D., Woodland.

RECESS

Election of Officers and Business Meeting.



Third Meeting—Dining Room, Camp Curry
Wednesday, May 15, 8:30 a. m.

26. *Acute Appendicitis in Children*—Conrad J. Baumgartner, M. D., 939 Pacific Mutual Building, Los Angeles.

A brief review of history and findings of fifty-five cases from the Children's Hospital is given. Management stresses particularly the use of continuous siphonage by means of an indwelling nasal tube to the stomach, as well as continuous venoclysis of glucose solutions. (Illustrated.)

Discussion by William J. Norris, M. D., Los Angeles, and Harold K. Faber, M. D., San Francisco.

27. *Gas Bacillus Infection of the Abdominal Wall*—C. J. Berne, M. D., 1002 Pacific Mutual Building, Los Angeles.

The fifteen cases in the literature and five unreported cases are considered as a group. The nature of the infection, the special features of it when the abdominal wall is affected, and certain types of cases which result are described.

The mortality from the infection is discussed in relation to those cases in which the infection is limited to the wound, those in which spreading cellulitis occurs, and those in which peritonitis exists. Treatment is reviewed and suggestions made regarding it, under the general headings of chemical treatment, serological treatment and surgical treatment.

Discussion by Theodore C. Lawson, M. D., Oakland, and Philip J. Cunnane, M. D., Los Angeles.

28. *The Treatment of Varicose Ulcers and Veins*—John M. Schmoele, M. D., 1930 Wilshire Boulevard, Los Angeles.

Observations based on a series of eight hundred and twenty-six cases personally treated during the past five years, with follow-up record. Pathology, clinical and practicable aspects of diagnosis and treatment. Discussion of various methods. Selection of sclerosing agents. Discussion of Trendelenburg test. The necessity of intensive clinical study before treatment. Significance of end-results.

Discussion by Nelson J. Howard, M. D., San Francisco, and Hall G. Holder, M. D., San Diego.

29. *Hydrops of the Gall-Bladder*—Stanley H. Mentzer, M. D., 450 Sutter Street, San Francisco.

The paper is based upon a study of two hundred cases of hydrops of the gall-bladder, emphasizing the relative benignity of the clinical symptoms and signs in contrast to the severity of the prognosis when acute exacerbations develop. The data presented will stress a new conception of empyema of the gall-bladder and will rationalize the therapy of hydrops in the light of the facts uncovered.

Discussion by Charles T. Sturgeon, M. D., Los Angeles, and Joseph K. Swindt, M. D., Pomona.

30. *Perforation of Gall-Bladder with Generalized Choleperitoneum*—E. Eric Larson, M. D., 1930 Wilshire Boulevard, Los Angeles.

A study of the symptoms, diagnosis, and operative procedures in twelve patients having acute perforation of the gall-bladder with generalized choleperitoneum. Mortality of 50 per cent.

Discussion by Loren R. Chandler, M. D., San Francisco, and Harlan Shoemaker, M. D., Los Angeles.

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Fourth Meeting—Dining Room, Camp Curry Wednesday, May 15, 2 p. m.

SYMPOSIUM ON DIAGNOSIS AND TREATMENT OF LESIONS OF THE STOMACH

This will be a joint meeting of the Sections on Radiology and General Surgery.

31. *Medical Aspects of Lesion of the Stomach, with Special Reference to Diagnosis and Operative Indications*—Arthur L. Bloomfield, M. D., Stanford University Medical School, San Francisco.

In order to evaluate intelligently the indications for operation in peptic ulcer it is necessary to have an understanding of the mode of production of symptoms. It has been believed by some that symptoms are due to direct irritation of the ulcer by acid; whereas others have thought that the symptoms are reflex in origin. These two theories are discussed critically, and from the results of these analyses certain conclusions as to indications for operation are deduced.

32. *Clinical Indications for Roentgenological Studies of the Stomach*—B. R. Kirklin, M. D., Mayo Clinic, Rochester, Minnesota. (By invitation.)

33. *Surgical Treatment of Lesions of Stomach and Duodenum*—E. Starr Judd, M. D., Mayo Clinic, Rochester, Minnesota. (By invitation.)

Discussion of symposium by Rea Smith, M. D., Los Angeles; Harold Brunn, M. D., San Francisco; Howard E. Ruggles, M. D., San Francisco; and Fred H. Kruse, M. D., San Francisco.

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Fifth Meeting—Dining Room, Camp Curry Thursday, May 16, 8:30 a. m.

34. *Biopsy of Malignant Disease*—Otto H. Pflueger, M. D., 384 Post Street, San Francisco, and W. P. Stowe, M. D., St. Luke's Hospital, San Francisco.

The question of biopsy is of practical importance. This paper discusses the methods of obtaining biopsy specimens: (1) Incision into tumor. (2) Wide excision of tumor. (3) Needle puncture and aspiration. Indications and contraindications for each method are given. Slides of material obtained by aspiration are shown to demonstrate the value of this method of obtaining tissue specimens. (Lantern slides.)

Discussion by Emile F. Holman, M. D., San Francisco, and George D. Maner, M. D., Los Angeles.

35. *Perforated Peptic Ulcer*—Harold L. Thompson, M. D., 1930 Wilshire Boulevard, Los Angeles.

During the last twelve years, 535 perforated peptic ulcers have been observed at the Los Angeles County General Hospital. An evaluation of diagnostic signs and symptoms is based on a study of the clinical records of five hundred acute perforated peptic ulcers out of this series.

Discussion by George K. Rhodes, M. D., San Francisco, and Wayland A. Morrison, M. D., Los Angeles.

36. *Cancer of the Thyroid Gland*—F. B. Settle, M. D., 811 Professional Building, Long Beach.

Incidence. Relation to nodular goiter. Recent trend toward simplifying the classification of thyroid malignancies. Review of literature. Case reports. Treatment—surgery, irradiation, combination of surgery and irradiation. Preventive treatment—rationale of surgical removal of all nodular goiters.

Discussion by Robertson Ward, M. D., San Francisco, and William E. Costolow, M. D., Los Angeles.

37. *Radical Operation for Cancer of the Rectum, with Preservation of Sphincter Muscle*—Ernst Gehrels, M. D., 490 Post Street, San Francisco.

Through recent pathological investigation, especially by Westhues in Germany, additional light has been thrown on the spread of cancer of the rectum. There have also been very valuable new methods devised in extending the field of operation from below (Goetze), and new ideas of two-stage operation developed (Goepel). Based on these new conceptions, methods of procedure are discussed, making sphincter preservation possible in selected cases without sacrificing the aim of eradication of tumor nor increasing the mortality of the operation.

Discussion by Robert A. Scarborough, M. D., San Francisco, and Kenneth E. Smiley, M. D., Los Angeles.

38. *Cancer of the Rectum*—William H. Daniel, M. D., 1930 Wilshire Boulevard, Los Angeles.

A review of over two hundred cases will be presented. The following points, in addition to a plea for more frequent examinations, will be discussed: (1) The operability. (2) The grading of tumors. (3) The five most common surgical

procedures, and the indication for each. (Lantern slides and a motion picture.)

Discussion by William H. Kiger, M. D., Los Angeles, and M. S. Woolf, M. D., San Francisco.

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**Sixth Meeting—Dining Room, Camp Curry
Thursday, May 16, 2 p. m.**

39. *Compression Fractures of the Spine*—Wayland A. Morrison, M.D., and Richard J. Flamson, M.D., 1037 Pacific Mutual Building, Los Angeles.

A review of compression fractures of the spine at the Santa Fe Hospital during the past ten years, with description of a simple method of obtaining hypertension.

Discussion by Francis M. McKeever, M. D., Los Angeles, and Howard W. Fleming, M. D., San Francisco.

40. *Fracture Dislocation of Cervical Spine*—Ralph Soto-Hall, M. D., and Keene Haldeman, M. D., 350 Post Street, San Francisco.

A series of twenty-two cases of fracture dislocation of the cervical spine have been studied to determine the factors which increase efficiency of treatment, diminish nerve injury and prevent recurrence. A new method for the prevention of recurrence of dislocation is described. This method satisfies the theoretical demands of constant but adaptable fixation in hyperextension.

Discussion by Donald King, M. D., San Francisco, and Rodney F. Atsatt, M. D., Santa Barbara.

41. *An Analytical Review of the End-Results in Intracapsular Fractures of the Neck of the Femur*—Merrill C. Mensor, M. D., and Earl T. Dewey, M. D., 490 Post Street, San Francisco.

The paper consists of a study of one hundred consecutive cases admitted to the Laguna Honda Home, with special analysis being made of the allotted time from injury to reduction, complications that ensued, time to ambulation, percentage of union and nonunion, and the end-results relative to function and permanent disability.

Discussion by Frederick C. Bost, M. D., San Francisco, and Paul E. McMaster, M. D., Los Angeles.

42. *New Amputation of the Lower Third of the Thigh*—C. Latimer Callander, M. D., 450 Sutter Street, San Francisco.

This amputation is designed to give an unusually long and powerfully levered stump. Long equal anterior and posterior flaps utilize the soft parts of the upper leg as well as those of the low thigh. No muscles of the thigh are severed except at their tendinous insertions into the tibia. The area of the quadriceps muscle from which the patella is removed serves as a socket for the femur which is sawed within the flare of the condyles.

Discussion by Hugh T. Jones, M. D., Los Angeles, and W. F. Holcomb, M. D., Oakland.

43. *The Management of Fractures of the Shaft of Both Bones of the Forearm or Leg*—E. W. Cleary, M. D., 490 Post Street, San Francisco.

A traction bar facilitates closed reduction. The same device is also utilized for making traction through transfixion wires. A traction frame is used for the most severe multiple and compound injuries. Adaptations are made for traction during operation. Typical case records. (Slides, showing method and results.)

Discussion by Arthur L. Fisher, M. D., San Francisco, and H. W. Spiers, M. D., Los Angeles.

III

OBSTETRICS AND GYNECOLOGY SECTION*

EMIL J. KRAHULIK, M. D., *Chairman*
1021 Taft Building, 1680 North Vine Street
Hollywood

H. A. STEPHENSON, M. D., *Vice-Chairman*
521 Medico-Dental Building, 490 Post Street,
San Francisco

DONALD G. TOLLEFSON, M. D., *Secretary*
511 South Bonnie Brae Street, Los Angeles

**First Meeting—Dining Room, Camp Curry
Tuesday, May 14, 8:30 a. m.**

44. *Placenta Previa*—Leon J. Tiber, M. D., 3875 Wilshire Boulevard, Los Angeles.

The case histories of two hundred patients treated for placenta previa at the Los Angeles County Hospital have been analyzed. Maternal and fetal mortality for the various types of treatment have been compared.

Discussion by Thomas F. Wier, M. D., San Diego.

45. *Incidental Blindness in Pregnancy*—Donald W. de Carle, M. D., 2000 Van Ness Avenue, San Francisco.

Blindness is a sufficiently rare condition in pregnancy to call attention to its occurrence. It is usually associated with some form of toxemia. The various types of underlying pathology are discussed. The clinical significance is analyzed and its prognosticating value discussed. Of the seven cases reported, four were associated with toxemia, one with pernicious vomiting, one with hysteria, and one with quinin poisoning.

Discussion by Hans Barkan, M. D., San Francisco, and John Vruwink, M. D., Los Angeles.

46. *Mortality Lessons in a Series of Four Thousand and Twenty-nine Gynecologic Operations*—Harold K. Marshall, M. D., 229 North Central Avenue, Glendale, and Robert H. Thompson, M. D., Los Angeles County General Hospital, Los Angeles.

An analysis of the operative deaths on the Gynecological Service of the Los Angeles County Hospital for a six-year period (July 1, 1928, to July 1, 1934), embracing 4,029 primary operations. An attempt has been made to determine factors influencing gynecologic mortality from the standpoint of: (1) Preoperative diagnosis study and preparation. (2) Operation—duration, trauma, technical difficulties, and anesthesia. (3) Postoperative course, treatment, and autopsy findings.

Discussion by L. A. Emge, M. D., San Francisco, and Henry N. Shaw, M. D., Los Angeles.

47. *Clinical Use of Emmenin (Human Placental Extract-Collip)*—Minnie B. Goldberg, M. D., 450 Sutter Street, San Francisco, and Hans Lisser, M. D., 384 Post Street, San Francisco.

Emmenin, an alcohol soluble, ether insoluble extract of human placenta, was described in 1930 by Collip as highly extrogenic in immature rodents, but, unlike estrin, highly active orally. By clinical trial Collip and Campbell claimed this substance to be highly efficacious in the treatment of various menstrual disturbances, notably dysmenorrhea. This is a report concerning the use of emmenin orally in the treatment of one hundred instances of various menstrual disorders. Favorable results occurred in gratifying percentage.

Discussion by C. F. Fluhmann, M. D., San Francisco, and Clifford A. Wright, M. D., Los Angeles.

* Philip H. Arnot, M. D., 490 Post Street, San Francisco, and Sterling N. Pierce, M. D., 1930 Wilshire Boulevard, Los Angeles, are monitors for the Obstetrics and Gynecology Section.

48. *Malignancies of the Vulva*—Paul E. Hoffman, M. D., Stanford University School of Medicine, San Francisco.

The cases of malignancy of the vulva seen in the Stanford Women's Clinic since 1918 are presented, together with a discussion of the etiologic factors in this condition. The relative merits of surgery, irradiation, and combination of both in the treatment are discussed.

Discussion by Clarence A. DePuy, M. D., Oakland, and Lawrence F. Eder, M. D., Santa Barbara.

RECESS

Election of Officers and Business Meeting.



Second Meeting—Dining Room, Camp Curry Wednesday, May 15, 2 p. m.

49. *Chairman's Address: A Broader Conception of Morbidity Incident to Pregnancy*—Emil J. Krahulik, M. D., 1680 North Vine Street, Hollywood.

Maternal mortality statistics are capable of accurate calculation. Morbidity resulting from pregnancy does not possess such mathematical standards. Elevation of temperature as an index is incomplete and insufficient. In tabulating morbidity statistics, the obstetrician's responsibility should include backache, pelvic pain, lassitude, nervousness, bladder distress, cervical and vaginal lacerations and relaxations, varicose veins, hemorrhoids, pendulous breasts, relaxed abdominal walls, increase in weight, etc.

50. *Relationship of Menstrual Hypoglycemia and Dysmenorrhea*—Milo K. Tedstrom, M. D., 218 South Main Street, Santa Ana, and Llewellyn E. Wilson, M. D., Santa Ana.

Brief résumé of theory of regulation of blood sugar, especially the influence of ovarian and pituitary secretions. Results of glucose tolerance studies made during and between menstruation, showing the relationship of menstrual hypoglycemia and functional dysmenorrhea. Case reports of functional dysmenorrhea treated with extra carbohydrate feedings and intravenous injections of glucose.

Discussion by Harry J. Deuel, Jr., Ph. D., Los Angeles, and Margaret Schulze, M. D., San Francisco.

51. *Arrenoblastoma—Case Report*—L. Grant Baldwin, M. D., 595 East Colorado Street, Pasadena, and James A. Gafford, Jr., M. D., 6118 Santa Fe Avenue, Huntington Park.

Report of case of arrenoblastoma, with removal of tumor, and subsequent recession of masculine characteristics; with opportunity of reexamination of the pelvis five months later at second laparotomy. (Illustrated with moving pictures and slides.)

Discussion by Ernest M. Hall, M. D., Los Angeles, and C. F. Fluhmann, M. D., San Francisco.

52. *Pelvic Pathology Associated with Mucocoele of the Appendix*—T. Floyd Bell, M. D., 400 Twenty-ninth Street, Oakland.

Mucocoele of the appendix is usually found accidentally in pelvic operations, or incorrectly diagnosed a tumor of some pelvic organ. Its rarity makes it of interest to all abdominal and pelvic surgeons. Several case reports are presented. The literature is briefly reviewed. Etiology, pathology, symptomatology, treatment, and prognosis are discussed.

Discussion by Don D. Weaver, M. D., Oakland, and Roy E. Fallas, M. D., Los Angeles.

53. *Heart Disease of Pregnancy*—Clarence A. DePuy, M. D., 230 Grand Avenue, Oakland.

This paper deals with the functional classification of heart diseases complicating pregnancy. Endeavors to select that class of patient who will go through pregnancy without disaster, and describes the management during pregnancy, labor and postpartum period.

Discussion by E. M. Lazard, M. D., Los Angeles, and Fred M. Loomis, M. D., Oakland.



IV

EYE, EAR, NOSE, AND THROAT SECTION*

SAMUEL A. DURR, M. D., *Chairman*
1304 Medico-Dental Building
233 A Street, San Diego

DEAN E. GODWIN, M. D., *Vice-Chairman*
800 Professional Building, Long Beach

HAROLD A. FLETCHER, M. D., *Secretary*
1440 Medico-Dental Building, 490 Post Street,
San Francisco

First Meeting—Colonial Room, Ahwahnee Tuesday, May 14, 8:30 a. m.

55. *Agranulocytic Angina*—William H. Johnston, M. D., 1515 State Street, Santa Barbara.

Reports of this syndrome have appeared in the medical literature since 1888, but it was not until 1922 that Schultz applied the name "agranulocytosis." Evidence shows that there are two types: first, a primary in which the syndrome is the result of no known toxic agent; second, in which it is the direct result of a recognized toxic process which depresses the bone-marrow function. Etiologic factors are considered and the various remedies with the results obtained by many observers are discussed. One case occurring in a middle-aged female is reported in detail. The patient recovered and is in good health three years later.

Discussion by Frank A. Burton, M. D., San Diego.

56. *Facial Nerve Repair*—Robert C. Martin, M. D., 384 Post Street, San Francisco.

Report of three types of facial nerve repair. Probable mode of original injury. Pathology of injured nerve. Technique of operative repair.

Discussion by Sterling Bunnell, M. D., San Francisco, and Howard A. Brown, M. D., San Francisco.

57. *Value of Vestibular Tests in Relation to Head Injuries*—Mark Albert Glaser, M. D., 356 South Rossmore Street, and H. M. Beerman, M. D., 633 South Kenmore Street, Los Angeles.

The series consists of seventy cases of head injury. The relationship between abnormalities in the vestibular tests and dizziness. The value of the vestibular tests in differentiating post-traumatic psychoneurosis, post-concussion syndrome, and malingering is emphasized.

Attempts will be made to draw up vestibular group phenomena associated with head injuries.

Discussion by Howard A. Brown, M. D., San Francisco, and Harold A. Fletcher, M. D., San Francisco.

58. *Reconstruction of the External Ear*—George W. Pierce, M. D., and Gerald Brown O'Connor, M. D., 490 Post Street, San Francisco.

Reconstruction of the external ear has long been considered a useless procedure because of

* Dean E. Godwin, M. D., 820 Professional Building, Long Beach, has been appointed monitor for the Eye, Ear, Nose and Throat Section.

the failure of the reconstructed ear to maintain its shape and angulation to the head. It is most important to have two ears of the same size and shape, and standing out at the same angle to the head.

This paper details our original operation, with description of technique and rationale. Ears constructed by this method do not shrink and will maintain their form. (Lantern slides.)

Discussion by Joseph D. Lewis, M. D., Santa Barbara.



Second Meeting—Colonial Room, Ahwahnee

Wednesday, May 25, 8:30 a. m.

59. *Surgery of the Ethmoids and Sphenoids*—Frederick M. Turnbull, M. D., 1930 Wilshire Boulevard, Los Angeles.

Relationship of the ethmoids to the other sinuses in development and disease. Special problems involved in their surgery. Choice of operation: comparison of their value from the viewpoints of accessibility and results. Recent experiences with avertin anesthesia and intravenous dextrose therapy as operative aids. Operative technique of the transantral method, with lantern illustrations.

Discussion by Harrington B. Graham, M. D., San Francisco, and Charles E. Futch, M. D., Los Angeles.

60. *Sinusitis, Allergy, and the Common Cold—A New Conception of Their Relationship and of the Function of the Sinuses*—Edward C. Sewall, M. D., Stanford University Hospital, San Francisco.

The evident relationship of allergy to sinusitis, while of etiological importance, has been confused with infection. Infection is always more than allergy and can be definitely determined by a cytological examination of the sinus content. Study of the sinus mucosa in health and disease points the way to an understanding of this relationship. It suggests an explanation for much that is clinically obscure. The incidents of "acute cold"; the character of the discharge; immunity; chronic sinusitis; distinction from "infective cold"; effective aids; atrophic characteristics; reticular fibrosis; bacterial pabulum; virus and the common pus-forming germs.

Explanation of the function of the sinuses has never satisfied all objections. The one I suggest does not either, but is at least provocative.

Discussion by David R. Higbee, M. D., San Diego, and J. Mackenzie Brown, M. D., Los Angeles.

61. *Synthetic Suprarenin Bitartrate as a Mydriatic*—Warren D. Horner, M. D., 384 Post Street, San Francisco

Review of the historical and physiological aspects of the adrenalin family, as used in ophthalmology.

While the pressure-lowering effect is briefly discussed, emphasis is laid upon the mydriatic action of epinephrin compounds. Report of seventy-four cases in which the pupil-dilating effect of levosuprarenin bitartrate (synthetic) was studied in conjunction with J. W. Bettman, acting resident, ophthalmic service at San Francisco Hospital.

The speed of dilatation, the maximum size of the pupil, duration of mydriasis, and the contrary effect of esserin upon the dilated pupil were recorded.

The results are discussed particularly from the standpoint of the practical application of suprarenin bitartrate to everyday ophthalmology.

Discussion by Dewey R. Powell, M. D., Stockton.

62. *Retinal Detachment—Some Technical Points in Its Operative Treatment*—Dohrmann K. Pischel, M. D., 490 Post Street, San Francisco.

The principle brought out by Lindner for walling off the retinal tear or hole, or of walling off a whole sector of retina is discussed. The Safar operation to accomplish this purpose is described, with special reference to some of the technical details, as well as to some pins which have proved very successful. A motion-picture demonstration of a Safar operation will be shown.

Discussion by Frederick C. Cordes, M. D., San Francisco.

RECESS

Election of Officers and Business Meeting



Luncheon Meeting of Otologists

Dining Room, Camp Curry

Wednesday, May 15, 12:30 p. m.

This is an important meeting to discuss the work of the Committee on the Problems of the Deafened, appointed last year. Many points of practical value to the otologist will be brought out in connection with the hearing-aid problem, the audiometer, the Leagues for the Hard-of-Hearing. It is hoped every otologist will attend. Details will be given at registration.



Third Meeting—Colonial Room, Ahwahnee

Thursday, May 16, 8:30 a. m.

63. *Aniseikonia*—Kenneth C. Brandenburg, M. D., 707 Security Building, Long Beach.

The detection and correction of differences in the size and shape of the ocular images by means of the ophthalmoeikonometer and iseikonic lenses will be discussed. A review of the latest statistics available on the importance of this new factor in the causation of ocular symptoms and the success attained in relieving the various complaints associated with aniseikonia by this new technique will be presented.

Asthenopic symptoms not understood on the basis of the conventional type of refraction may indicate aniseikonia. Refractive errors are sometimes tolerated better than the aniseikonia produced by the ordinary correcting lenses.

Binocular vision with depth perception has been produced in cases of alternating strabismus by the correction of aniseikonia.

A new concept of the phorias is advanced in connection with the phenomenon of fixation disparity. Disturbances of depth perception due to aniseikonia are a factor in the habitual bad landing of aviators.

Discussion by Julian N. Dow, M. D., Los Angeles.

64. *Mode of Action of Cyclodialysis*—Otto Barkan, M. D., S. F. Boyle, M. D., and S. Maisler, M. D., 490 Post Street, San Francisco.

The effect of successful cyclodialysis operation is shown to be due to establishment of communication between the anterior chamber and the suprachoroidal space. Failure is due to reattachment of the ciliary body. Surgical conclusions may be drawn therefrom.

Discussion by M. E. Trainor, M. D., Los Angeles.

65. *Congenital Coloboma, Four Cases—Consideration of Heredity*—Clinton A. Wilson, M. D., Monterey Clinic, Monterey.

Two of the four patients are unrelated persons, both adults, one a man and one a woman. Except for the coloboma the eyes of these patients are within normal limits.

Two patients are related, father and infant son. Older twin daughters of this family and the mother of all three children have normal eyes. The defective left eye of the father is virtually sightless and both eyes of the infant son are abnormally small and show defects of lens, choroid and optic nerve.

Pictures and diagrams, with a brief résumé of embryology and inheritance.

Discussion by Hans Barkan, M. D., San Francisco.

66. *The Nonsurgical Treatment of Nonparalytic Strabismus*—Samuel V. Abraham, M. D., 727 West Seventh Street, Los Angeles.

In this interpretive study, an attempt will be made to point out the errors in the indiscriminate choice of cases for special treatment as orthoptic training. A similar lack of discrimination in the choice of controls to help in evaluating such special treatment will be demonstrated.

Cases suggesting the need for emphasizing the importance of general health factors in the care of patients will be presented. These cases help, too, in pointing out certain fallacies in accepted thought on the value of routine correction of the error of refraction as a prerequisite for successful nonsurgical treatment.

In brief, the author attempts the presentation of a more rational viewpoint of strabismus so that more effective treatment may be instituted and prolonged ineffectual treatment avoided.

Discussion by George N. Hosford, M. D., San Francisco.



V

ANESTHESIOLOGY SECTION

DOROTHY A. WOOD, M. D., *Chairman*
1390 Seventh Avenue, San Francisco

WILLIAM V. CHALMERS-FRANCIS, M. D., *Secretary*
604 Medical Office Building
1136 West Sixth Street, Los Angeles

First Meeting—Writing Room, Ahwahnee

Tuesday, May 14, 8:30 a. m.

67. *Spinal Anesthesia and the Anesthetist*—W. L. Garth, M. D., 1028 Prospect Street, La Jolla.

Many anesthetists seem to be more or less hostile to spinal anesthesia. This attitude of anesthetists is engendered by the surgeons. Anesthetists should perfect safe technique that can advocate its use.

By briefly outlining the extent of the problem of the proper care of these patients during their operation, the folly of delegating this work to nurses or to inexperienced physicians will be evident.

68. *Anesthesia in Infant Surgery*—Mary E. Botsford, M. D., 807 Francisco Street, San Francisco.

Extremes of age no bar to safe anesthesia. Report of cases at ages of five hours and ninety-six years. Most frequent operative procedures on infants are those for relief of pyloric stenosis, intestinal intussusception, hernia into umbilical cord, and plastic operations on cleft lip and palate. Relative merits of local anesthetics, chloroform, ethyl chlorid, tribromethanol, ether, nitrous oxid. Adaptation of methods of surgical requirements.

69. *Diagnostic and Alcohol Injection of the Sympathetic Nerves*—P. G. Flothow, M. D., and S. N. Berens, M. D., 902 Boren Avenue, Seattle, Washington. (By invitation.)

70. *Chairman's Address: The Development and Progress in Anesthesia*—Dorothy A. Wood, M. D., 1390 Seventh Avenue, San Francisco.

A consideration of the merits and limitations of the various anesthetic agents which have

been introduced for use in surgical procedures. The explosive agents—ether, ethylene, vinethine, and cyclopropane. The intravenous anesthetics. The non-explosive anesthetic agents—chloroform, local, spinal, avertin, and nitrous oxid.

RECESS

Election of Officers and Business Meeting



Second Meeting—Writing Room, Ahwahnee

Wednesday, May 15, 8:30 a. m.

71. *Intravenous Anesthesia with Evipal*—Edward H. Bolze, M. D., 450 Sutter Street, San Francisco. Pharmacology, clinical consideration, dosage, indications and contraindications, personal experiences with the anesthetic agent.
72. *Modern Trends in Anesthesia*—Ralph M. Tovell, M. D., Mayo Clinic, Rochester, Minnesota. (By invitation.)
73. *Caudal and Trans-sacral Anesthesia*—Clark M. Johnson, M. D., 384 Post Street, San Francisco. Indications, advantages and disadvantages of this method of regional anesthesia. Review of the technique and extent of anesthesia. Summary of results obtained and conclusions reached during the past ten years. (Lantern slides and motion pictures.)



VI

DERMATOLOGY AND SYPHILOLOGY SECTION*

ERNEST K. STRATTON, M. D., *Chairman*
414 Medico-Dental Building, 490 Post Street
San Francisco

H. SUTHERLAND-CAMPBELL, M. D., *Vice-Chairman*
816 Wilshire Medical Building
1930 Wilshire Boulevard, Los Angeles

JOHN M. GRAVES, M. D., *Secretary*
430 Medical Building, 909 Hyde Street,
San Francisco

First Meeting—Ping-Pong Room, Ahwahnee

Tuesday, May 14, 8:30 a. m.

SYMPOSIUM ON TREATMENT OF SYPHILIS

74. *Chairman's Address: Review of Some of the Recent Findings in Experimental Syphilis Research*—Ernest K. Stratton, M. D., 490 Post Street, San Francisco.

The cultivation and staining of the *Spirochaeta pallida*; the question of immunity, reinfection, superinfection; the tropism of certain strains; granular forms; hereditary factors.

75. *Treatment of Acute Syphilis*—Stanley O. Chambers, M. D., 727 West Seventh Street, Los Angeles.

The treatment of early syphilis represents the most important therapeutic phase of the disease when we are concerned with curative possibilities.

Serologic and clinical cure in primary and secondary syphilis is possible in 70 to 95 per cent, depending upon identification with treatment during the darkfield positive, seronegative or the seropositive stage. It is obvious that early identification likewise becomes a most important factor.

The treatment of early syphilis is a most definite one and not subject to major variations unless complicated by abnormal reactions of

* Norman N. Epstein, M. D., 450 Sutter Street, San Francisco, and George F. Koetter, M. D., 1136 West Sixth Street, Los Angeles, are monitors for the Dermatology Section.

drugs, host or invading organisms. Methods of early identification, treatment outlines, and control of complications are thoroughly presented.

Discussion by C. J. Lunsford, M. D., Oakland, and George H. Becker, M. D., San Francisco.

76. *Treatment of Latent Syphilis*—William H. Goeckerman, M. D., 1401 South Hope Street, Los Angeles.

The term "latent syphilis," as used here, means clinically not recognizable syphilis. Treatment in this condition is modified by various factors and should, therefore, not be routinized. Modifying factors are age, Wassermann-fastness, the serologic findings in the spinal fluid, pregnancy in the female, the probability of marriage, and of cardiovascular involvement. There is no doubt that the contagious feature needs treatment. Whether modern treatment prevents future complications is still debatable. My personal opinion is that all forms of latent syphilis need judicious treatment and that the clinical prognosis then in the main is good.

Discussion by George V. Kulchar, M. D., San Francisco, and A. M. Moody, M. D., San Francisco.

77. *Five Years' Observation of the Use of Bismarsen for Congenital Lues*—William A. Reilly, M. D., 711 Seventeenth Avenue, San Francisco.

We have found that this drug compares very favorably with any of the usual antisyphilitic agents. Some fifty of 175 children have been observed for a sufficient period to justify this contention. The drug causes few reactions, it is certainly better borne than the salvarsans, it is easier to administer, and patients are more faithful to treatment. The question of neurosyphilis has been considered also.

Discussion by Stanley O. Chambers, M. D., Los Angeles, and Hartzell H. Ray, M. D., San Mateo.

78. *The Treatment of Ocular Syphilis*—Hans Barkan, M. D., Stanford University Hospital, San Francisco.

Interstitial corneal luetic keratitis; types, age occurrence, and prognosis. The influence of antiluetic treatment upon interstitial keratitis. The appearance of secondary luetic lesions of the iris and ciliary part and treatment. The probability of papillitis in early and late syphilis. Lastly, arteriosclerosis of the retinal vessels as a late luetic manifestation and its differential diagnosis; in general the relation of the eye to antiluetic therapies.

Discussion by Joseph L. McCool, M. D., San Francisco, and H. Sutherland-Campbell, M. D., Los Angeles.

79. *Treatment of Cardiovascular Syphilis*—William W. Newman, M. D., 450 Sutter Street, San Francisco.

The incidence of syphilis among one thousand consecutive patients seen in the private practice of cardiology. The importance of history, physical signs, Wassermann, and particularly x-ray and fluoroscopy in the recognition of cardiovascular syphilis, with practical criteria for a working clinical diagnosis. An evaluation of specific therapy.

Discussion by John J. Sampson, M. D., San Francisco, and John M. Graves, M. D., San Francisco.

80. *Certain Aspects of the Treatment of Neurosyphilis*—Edward W. Twitchell, M. D., 909 Hyde Street, San Francisco.

A symptomatic neurosyphilis. History of the conception. Use of terms. Parenchymatous and meningovascular types. Place of intradural therapy. Pyretotherapy.

Discussion by George S. Johnson, M. D., San Francisco, and Norman N. Epstein, M. D., San Francisco.

Second Meeting—Luncheon

Private Dining Room—Camp Curry

Tuesday, May 14, 1 p. m.

ROUND-TABLE DISCUSSION: BIOCHEMISTRY AS IT IS OF IMPORTANCE IN DERMATOLOGY

Endocrines—Laurence R. Taussig, M. D., 384 Post Street, San Francisco.

Mineral Salts—Kendal P. Frost, M. D., 1930 Wilshire Boulevard, Los Angeles.

Carbohydrates—George V. Kulchar, M. D., 450 Sutter Street, San Francisco.

Fats—Frederick G. Novy, Jr., M. D., 360 Twenty-ninth Street, Oakland.

Proteins—Phillip K. Allen, M. D., 314 Medico-Dental Building, San Diego.

Reservations should be made with Dr. Ernest K. Stratton, 490 Post Street, San Francisco, before noon, Monday, May 13.

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Third Meeting—Ping-Pong Room, Ahwahnee

Wednesday, May 15, 8:30 a. m.

81. *Clinical Notes on Epitheliomata of the Skin*—Douglas W. Montgomery, M. D., 450 Sutter Street, San Francisco.

The importance of the infiltration border in the diagnosis of epithelioma of the skin. The type of skin on which epitheliomata are most likely to develop. The especially dangerous nature of the cancers that develop in the depth of the skin, both because of lying hidden and because of their greater malignancy. Epithelioma that show an inveterate tendency to recur.

Discussion by L. R. Taussig, M. D., San Francisco, and Nelson P. Anderson, M. D., Los Angeles.

82. *Experiments on Removal of Hair—A Combined Method*—Arne E. Ingels, M. D., 490 Post Street, San Francisco.

G. Nobl's work on mechanical removal of hair is duplicated in monkeys and checked through histopathological examinations. Successive x-ray treatment in varied doses is being tried out for production of permanent alopecia and checked through biopsies. A short review of work done along these lines will be given.

Discussion by William H. Goeckerman, M. D., Los Angeles, and Professor C. H. Danforth, Stanford University.

83. *Pyodermatoses with Scientific Exhibit*—Nelson Paul Anderson, M. D., and Samuel Ayers, Jr., M. D., 2007 Wilshire Boulevard, Los Angeles.

A review of the common pustular infections of the skin with a brief mention of impetigo contagiosa, ecthyma and sycosis vulgaris. More attention will be given to infectious eczematoid dermatitis, lupoid sycosis, dermatitis papillaris capillitii, recalcitrant pustular eruptions of the palms and soles, granuloma pyogenicum and the uncommon blastomycosis-like lesions of the skin produced by pus-forming organisms.

Discussion by Ernest D. Chipman, M. D., San Francisco, and Franklin Ball, M. D., Los Angeles.

84. *Pigmentation of Metabolic Origin and Its Relation to the Autonomic Nervous System*—Irving R. Bancroft, M. D., 412 West Sixth Street, Los Angeles.

Pigmentation of metabolic origin is dependent on normal glandular secretion, and normal glandular secretion requires a normal balance of the autonomic nervous system. The autonomic nervous system may be thrown out of balance by violent emotion, by syphilis, by toxins of some diseases and by certain chemical poisons.

Discussion by George V. Kulchar, M. D., San Francisco, and Harry P. Jacobson, M. D., Los Angeles.

85. *Sarcoid with the Report of an Unusual Case*—Fredrick G. Novy, Jr., M. D., 360 Twenty-Ninth Street, Oakland.

Classification of tuberculids and discussion of sarcoids as a part of this group. Report of a case of mixed type with involvement of bone and nasal mucous membranes.

Discussion by Nelson S. Keeler, M. D., Oakland, and Kendal P. Frost, M. D., Los Angeles.

RECESS

Election of Officers and Business Meeting



Fourth Meeting—Ping-Pong Room, Ahwahnee
Wednesday, May 15, 2 p. m.

86. *Dynamics of Cutaneous Morphology—An Analytical Study*—Moses Scholtz, M. D., 1930 Wilshire Boulevard, Los Angeles.

Evolution of dermatological research, past and present. Morphology, histopathology, and etiology as basic concepts of dermatologic classification. Brock's theories of clinical entities and cutaneous reaction, revised in the light of modern research. Recently differentiated cutaneous syndromes such as lymphoblastoma, poikiloderma, sarcoids, parapsoriasis varioliformis, etc., completely upset the old nosologic established landmarks, and allow new far-reaching theoretical and clinical implications and inferences.

Discussion by Ernest D. Chipman, M. D., San Francisco.

87. *Photosensitivity*—Herman Allington, M. D., 3115 Webster Street, Oakland, Harold F. Blum, Ph.D., and Robert West, Berkeley.

A case is discussed which demonstrates the rapid development of an urticarial plaque throughout any area of skin exposed to sunlight. This is shown to be provoked by light in the blue and violet portions of the visible spectrum. The patient reacts normally to ultraviolet light. Various aspects of photosensitivity are discussed.

Discussion by Edward Matzger, M. D., San Francisco, and Samuel Ayers, Jr., M. D., Los Angeles.

88. *Lymphoblastoma—With the Report of Two Cases*—Louis F. X. Wilhelm, M. D., 1401 South Hope Street, Los Angeles.

A short summary of the subject. A brief review of the literature of recent years. Findings in the cases presented.

Discussion by Harry J. Templeton, M. D., Oakland, and William Goeckerman, M. D., Los Angeles.

89. *Spontaneous Gangrene of Multiple Angiomata in Streptococcic Bacteremia*—Merlin T.-R. Maynard, M. D., 407 Medico-Dental Building, San Jose.

This case in an infant presented multiple hemangiomata over the entire right leg, right buttock, and scrotum; also on the dorsum of the right hand. A sudden ischemia developed with a subsequent gangrene of all of the angiomatous lesions on the body. The baby was found to have a streptococcic bacteremia from which death took place, although the cutaneous lesions were healed. (Photographs will be shown.)

Discussion by Thomas J. Clark, M. D., Oakland.

SCIENTIFIC EXHIBITS

1. *Pyodermatoses*—Nelson Paul Anderson, M. D., and Samuel Ayers, Jr., M. D., Los Angeles.

VII

INDUSTRIAL MEDICINE AND SURGERY SECTION*

WILLIAM S. KISKADDEN, M. D., *Chairman*
803 Wilshire Medical Building
1930 Wilshire Boulevard, Los Angeles

SAMUEL S. MATHEWS, M. D., *Secretary*
1913 Wilshire Boulevard, Los Angeles

First Meeting—Colonial Room, Ahwahnee
Monday, May 13, 2 p. m.

90. *Capitellum Fractures*—Francis M. McKeever, M.D., 1136 West Sixth Street, Los Angeles.

Fractures of the capitellum, humerus, treatment and late end-results.

Discussion by John Dunlop, M. D., Pasadena, and LeRoy Brooks, M. D., San Francisco.

91. *Athletic Injuries*—Packard Thurber, M. D., 901 Subway Terminal Building, Los Angeles.

This paper will deal principally with the rather unusual conditions in connection with athletic injuries, and point out some of the differences between athletic injuries and those occurring under other conditions. The question of treatment will only be considered from the standpoint of fundamentals.

Discussion by George O. Berg, M. D., Los Angeles, and Harold H. Hitchcock, M. D., Oakland, and Earl F. Roth, M. D., Stanford University.

92. *A Study of Five Hundred Traumatic Deaths*—Wallace Dodge, M. D., 727 West Seventh Street, Los Angeles.

This is a study of five hundred fatal traumatic deaths from traffic injuries, taking into consideration the time that had lapsed from the time of injury to the time of immediate treatment, and life expectancy in each case following the different types of injury.

Discussion by Philip H. Stephens, M. D., Los Angeles, and George K. Rhodes, M. D., San Francisco.

93. *The Cost of Industrial Medicine*—T. Sheridan Carey, M. D., 634 North June Street, Los Angeles.

Feeling that there is little understanding as to the actual cost of industrial medicine and the importance of rating traumatic disabilities, I have gone over the cases that have come under my care while surgeon for the Metropolitan Water District of Southern California, and have outlined the rating that I have given the individual case and the amount given by the Commission.

Discussion by R. O. Schofield, M. D., Boulder City, Nevada, and J. M. Meherin, M. D., San Francisco.



Second Meeting—California Room, Ahwahnee
Tuesday, May 14, 8:30 a. m.

94. *Circulatory Diseases of the Extremities*—Verne R. Mason, M. D., 838 Pacific Mutual Building, Los Angeles.

This is a comprehensive study from a medical aspect on the different types of circulatory disturbances involving the extremities, taking into consideration the diagnosis, progress, and treatment.

Discussion by Steele F. Stewart, M. D., Los Angeles, and Edwin L. Bruck, M. D., San Francisco.

* John Loutzenheiser, M. D., 350 Post Street, San Francisco, and Richard B. McGovney, M. D., 1515 State Street, Santa Barbara, will act as monitors for the Industrial Medicine and Surgery Section.

95. *Regeneration of Cartilages*—Donald King, M. D., Stanford Hospital, San Francisco.

This paper will be the end-results of animal experimental work which is to be carried out at the Stanford University to determine the regeneration of internal semilunar cartilages. The work is being carried out on dogs, and they will be sacrificed at varied periods of time after the operation and the joints studied to determine whether regeneration of the cartilage either in part or *in toto* has occurred.

Discussion by Vernon P. Thompson, M. D., Los Angeles, and Sylvan L. Haas, M. D., San Francisco.

96. *Importance of Lesions of the Intervertebral Discs in Industrial Medicine*—Wilbur Bailey, M. D., and Richard T. Taylor, M. D., 1212 Shatto Street, Los Angeles.

The type of irregularities of the vertebral bodies caused by lesions involving the nucleus pulposus are described, as is the probable influence of trauma in the production of such lesions.

Discussion by Lowell S. Goin, M. D., Los Angeles, and Robert S. Stone, M. D., San Francisco.

97. *Injuries to the Ankle Joint*—Frederic C. Bost, M. D., 384 Post Street, San Francisco.

There are certain types of fractures about the ankle joint which I feel should be opened up for the purpose of repairing the existing torn lateral ligaments.

Discussion by Fraser L. Macpherson, M. D., San Diego, and George C. Hensel, M. D., San Francisco.

98. *Treatment of Spiral Fractures of the Tibia*—Carleton Mathewson, M. D., 1028 Lombard Street, San Francisco.

This paper is to take in the general principle that must be taken into consideration in the treatment of fractures in general, with more or less of a comprehensive review of the past and present views on the healing of fractures and their relationship to the specific treatment of spiral fractures of the tibia.

Discussion by Waldo H. Spiers, M. D., Los Angeles, and Raymond M. Wallerius, M. D., Sacramento.

RECESS

Election of Officers and Business Meeting



VIII

NEUROPSYCHIATRY SECTION*

H. DOUGLAS EATON, M. D., *Chairman*
811 Medical Office Building
1136 West Sixth Street, Los Angeles

SYDNEY KINNEAR SMITH, M. D., *Secretary*
230 Grand Avenue, Oakland

First Meeting—Writing Room, Ahwahnee
Monday, May 13, 2 p. m.

99. *Chairman's Address: The Development of Psychiatry*—H. Douglas Eaton, M. D., 1136 West Sixth Street, Los Angeles.

Historical background—relationship of religions. Recognition of physical causes. Relationship to internal medicine. Psychiatry in California.

100. *Legal Aspects of Insanity*—Mr. R. Lee Chamberlain, 36 Oak Ridge Road, Berkeley. (By invitation.)

This paper will deal with the legal aspects of commitment; responsibility of those taking out

commitment papers; matters of guardianship; legal aspects of discharge from the insane status, etc.

Discussion by Benjamin W. Black, M. D., Oakland, and Glenn E. Myers, M. D., Los Angeles.

101. *Insanity as a Legal Defense*—Benjamin W. Black, M. D., Highland Hospital, Oakland.

The plea of "not guilty by reason of insanity" and its significance as a defense in the presence of trial for the commission of a crime.

The privilege of appeal to jury. Jury required by law to make findings in insanity, particularly when the plea is entered as a defense for crime. A summary of the requirements of courts in determination of insanity as a defense for crime.

Consideration of the so-called responsibility and knowledge of right and wrong as exhibited to the physician by persons entering a plea of insanity.

Discussion by Walter Rapaport, M. D., Napa, and J. M. Scanland, M. D., Agnew.

102. *Endocrine Aspects of Homosexuality*—Clifford A. Wright, M. D., 2417 South Hope Street, Los Angeles.

A brief summary of the paper is as follows: The imbalance of sex hormones in relationship to homosexuality will be discussed. An assay of the hormone findings in the urine of several patients will be presented, and treatment based on these findings discussed. Results of treatment will be given.

Discussion by Samuel J. Glass, M. D., Los Angeles, and Edward H. Williams, M. D., Los Angeles.

103. *Schizophrenic Deterioration—An Experimental Study*—Donald A. Macfarlane, M. D., Hotel Claremont, Oakland.

The conditioned reflex technique can be used as an index of organic or other central nervous system deteriorations. In this study two extremes have been employed—organic deteriorates, *i. e.*, the Korsakoff's syndrome on the one hand, or normal persons on the other—the first of which are conditioned without difficulty, or not at all; the latter easily. This criterion has been applied to the Schizophrenic group.

Discussion by Edward W. Twitchell, M. D., San Francisco.

RECESS

Election of Officers and Business Meeting



Second Meeting—Writing Room, Ahwahnee
Wednesday, May 15, 2 p. m.

104. *Therapy in Combined Sclerosis*—Walter F. Schaller, M. D., 909 Hyde Street, San Francisco.

Diversity of opinion regarding efficacy of liver therapy in neurological complications of pernicious anemia. Weight of evidence suggests a common factor causing anemia or nervous tissue changes, or both. Opinion of the authors that adequate treatment arrests the pathological process and effects clinical improvement. Adequate treatment defined. Case reports.

Discussion by Henry W. Newman, M. D., San Francisco.

105. *Arachnoiditis—So-Called, and Differential Diagnosis of Spinal Cord Tumor*—Mark A. Glaser, M. D., 356 South Rossmore Street, Los Angeles, and Frederick Shafer, M. D., 217 West First Street, Los Angeles.

The title is "Arachnoiditis—So-Called." The inadequacy of the term "arachnoiditis" as applied to these cases is emphasized.

Sixty cases of spinal level lesions simulating cord tumor have been subjected to laminectomy.

* Clifford W. Mack, M. D., Livermore, and Donald A. Macfarlane, M. D., Oakland, will act as monitors for the Neuropsychiatry Section.

tomy, with negative results. Some of these patients have come to autopsy and a detailed pathological study was carried out.

The entire group is taken as an entity and the clinical pictures of these nonsurgical level lesions have been differentiated from spinal cord tumors.

Discussion by Edmund J. Morrissey, M.D., San Francisco, and Howard C. Naffziger, M.D., San Francisco.

106. *Visual Field Alterations Following Craniocerebral Injuries*—Carl W. Rand, M.D., 523 West Sixth Street, Los Angeles.

Examples will be shown of various types of hemianopsia following injuries to the optic chiasm; arteriovenous aneurysm of the internal carotid, and possibly occipital lobe damage. Hysterical contraction of fields, a not uncommon finding in industrial cases, often accompanied by other functional manifestations.

Discussion by Samuel D. Ingham, M.D., Los Angeles, and Clifford B. Walker, M.D., Los Angeles.

107. *Diagnosis in Spinal Cord Tumors*—H. C. Naffziger, M.D., and O. W. Jones, M.D., University of California Hospital, San Francisco.

The paper will concern itself with a classification as to pathologic type, with particular emphasis upon the frequency of hourglass tumors, and tumors of the epidermoid type in relation to the conus medullaris and cauda equina. Certain diagnostic methods have been developed which are original.

Discussion by Carl W. Rand, M.D., Los Angeles.

108. *Apraxia, With Case Reports*—Samuel D. Ingham, M.D., 727 West Seventh Street, Los Angeles.

This paper will deal with the mechanisms of apraxia and will include a number of case reports.

Discussion by Walter F. Schaller, M.D., San Francisco, and J. M. Nielsen, M.D., Los Angeles.



IX

PATHOLOGY AND BACTERIOLOGY SECTION*

ROBERT A. GLENN, M.D., *Chairman*
Merritt Hospital, Oakland

RAWSON J. PICKARD, M.D., *Secretary*
805 Watts Building, 520 E Street
San Diego

ZERA E. BOLIN, M.D., *Assistant Secretary*
490 Post Street, San Francisco

First Meeting—Pavilion, Camp Curry

Monday, May 13, 2 p. m.

SYMPOSIUM ON DISEASES OF THE LIVER

This will be a joint meeting of the following sections: Medicine, Surgery, Pathology and Bacteriology, and Gynecology and Obstetrics Sections.

The program of this joint meeting is printed under the first meeting of the General Medicine Section. (See page 288.)



Second Meeting—Solarium, Ahwahnee

Tuesday, May 14, 8:30 a. m.

109. *Chairman's Address: What the Hospital Means to the Pathologist*—Robert A. Glenn, M.D., Samuel Merritt Hospital, Oakland.

An appreciative consideration of the opportunity provided through hospital affiliation for

* Paul H. Guttman, M.D., 1127 Eleventh Street, Sacramento, A. Ludwig Lindberg, M.D., 1407 South Hope Street, Los Angeles, and Zera E. Bolin, M.D., San Francisco, will act as monitors for the Pathology Section.

the development of the pathologist in his chosen field, and to permit him to spread the gospel of scientific medicine among his associates.

110. *Legal, Clinical and Experimental Aspects of Drug Habituation*—L. E. Detrick, Ph.D., and C. H. Thienes, M.D., University of Southern California, Los Angeles. (By invitation.)

The literature on the experimental approach of the problem of narcotic addiction will be reviewed. On the conclusions from such clinical and animal studies, the present-day practice with regard to narcotic drugs should be based. Particular application will be made to the care of the narcotic addict who had pathology; diversion of legal narcotics into illicit drug traffic; the success or failure of narcotic clinics and the improvement in narcotic enforcement.

111. *Mineral Balance in Certain Bone Dyscrasias, with Particular Reference to Osteoporosis*—James W. Sherrill, M.D., Scripps Metabolic Clinic, La Jolla.

Comparison of two-year studies of mineral balance in several bone diseases with disorders of mineral balance. Complete mineral balance studies over a period of a year and a half in a case of obscure osteoporosis. Inferences from complete studies of calcium, magnesium, phosphorus and sulphur balance.

112. *Gastric Ulcers in Sea Mammals*—Charles A. Schroeder, D.V.M., Superintendent, Research Hospital, Zoological Society, Balboa Park, San Diego. (By invitation.)

Study of the gastric ulcers constantly found in stomachs of sea elephants and various seals shows them to be caused by a seal round-worm parasitic only in the gastric mucosa. Indirect etiology of food deficiency and other factors considered.

113. *Experimental Studies in the Development of Tolerance to Alcohol*—Emil Bogen, M.D., Olive View Sanitarium, Olive View.

Extent of individual and species differences in susceptibility to alcohol. Hereditary and acquired tolerance. Variations in rate of absorption under different conditions and in different individuals. Differences in rate of oxidation and of excretion of alcohol. Behavior of different individuals with the same concentration of alcohol in the blood and brain.

Discussion by C. H. Thienes, M.D., Los Angeles, and J. C. Geiger, M.D., San Francisco.

114. *Symmetrical Renal Cortical Necrosis in Eclampsia, with Case Report*—Newton Evans, M.D., 2000 Milan Avenue, Los Angeles.

Reference is made to similar cases previously reported. The history of previous eclamptic attacks and a final fatal attack in a 39-year-old woman are presented. The postmortem findings as well as microscopic changes in the kidneys are described. A toxemia related to pregnancy, with widespread thrombosis of small arteries, arterioles and capillaries of the renal cortex, are presented as the explanation of the pathogenesis of the condition.



Third Meeting—Solarium, Ahwahnee

Wednesday, May 15, 8:30 a. m.

115. *A Twenty-Year Appraisal of a Modification of the Original Wassermann Test*—Robert B. Hill, M.D., 511 South Bonnie Brae, Los Angeles.

In the past twenty years, papers on tests for syphilis have nearly all presented new methods, each simpler and quicker than the other. This is a presentation of reasons why it so often happens that the original Wassermann continues in use in laboratories directed by physicians.

Discussion by E. H. Ruediger, M.D., San Diego, and R. J. Pickard, M.D., San Diego.

116. *The Asheim-Zondek Test*—E. H. Ruediger, M. D., Mercy Hospital, San Diego.
Results in various conditions of pregnancy and diseases and tumors of the pelvic organs. Quantitative studies, resistance of the hormone.
117. *Coccidioidal Granuloma*—J. H. Inman, M. D., 1830 Flower Street, Bakersfield.
Lantern slides of clinical, x-ray, gross and microscopic findings of series of cases seen in Kern County during the past two years.
118. *Pathology of Sudden Operative Death*—Paul Michael, M. D., 434 Thirtieth Street, Oakland.
Enumeration and discussion of twelve causes of sudden death occurring on the operating table. Analysis of those cases coming under thymicolymphatic constitution. Explanation of the physiology of this syndrome and the mechanism of death given. (Lantern slides.)
Discussion by A. M. Moody, M. D., San Francisco.
119. *First Annual Review of the Contagious Disease Situation in California*—W. H. Kellogg, M. D., Director of the State Bacteriological Laboratory, Berkeley. (By invitation.)
Review of the state of progress or regression of the commoner contagious diseases in the State as of the present year.

RECESS

Election of Officers and Business Meeting**Fourth Meeting—Solarium, Ahwahnee****Thursday, May 16, 8:30 a. m.**

120. *Tumors of the Testis*—George D. Maner, M. D., 657 South Westlake Avenue, Los Angeles.
Paper based on the histopathologic study of twenty-five consecutive malignant tumors removed surgically. Effort is made to confirm the dictum that all malignant tumors of the testes are heterologous (teratomatous) in type. Brief review of various classifications and theories of histogenesis is given.
121. *Nucleolar-Nuclear Ratio in Cancer—A Statistical Study*—Paul H. Guttman, M. D., 1127 Eleventh Street, Sacramento.
Determination of the ratio between the volumes of nuclei and nucleoli of malignant and nonmalignant growths by micrometer measurements.
122. *The Fundamental Principles in the Grading of Malignancy in Tumors*—A. Ludwig Lindberg, M. D., 1407 South Hope Street, Los Angeles. (Thirty-minute lantern slide demonstration.)
Broders' classical work in the grading of malignancy of tumors is based on the cytological deviation from normal, Hausemann's anaplasia. The grading of tumors facilitates correlation of the pathological and clinical data and is an important guide in the management of cancer. The lantern slides demonstrate the fundamental principles.
Discussion by R. A. Glenn, M. D., Oakland.
123. *Observations on the Biophysical Mechanisms of Cancer*—Lloyd A. Kennell, M. D., 908 Watts Building, San Diego.
An interpretation of the interrelationship oxidation-reduction reactions, enzyme action, catalytics and colloidal gelsol factors involved in the mitosis of the cancer cell, together with the action of silicon in the surrounding tissues as a factor in their resistance to invasion by the cancer cells. Effects of radiation frequencies other than those of the x-ray and radium as adjuvants in therapy with means of concentrating them in deep tissues.
Discussion by Montrose T. Burrows, M. D., Pasadena; James W. Sherrill, M. D., La Jolla; and Professor Murray Luck, Palo Alto.

X

PEDIATRICS SECTION*HENRY E. STAFFORD, M. D., *Chairman*
242 Moss Avenue, OaklandSAM J. MCCLENDON, M. D., *Secretary*
2001 Fourth Street, San DiegoEDWARD B. SHAW, M. D., *Assistant Secretary*
384 Post Street, San Francisco**First Meeting—Solarium, Ahwahnee****Monday, May 13, 2 p. m.**

124. *Brain Tumors in Children—Case Reports*—Alfred J. Scott, M. D., 1401 South Hope Street, Los Angeles.

Brain tumors in children are not uncommon and too often are fatal. The diagnosis is not always easy, as it is not suspected and often overlooked until too late.

Three cases of brain tumors are presented only one of which was operated with recovery. The principal symptoms and signs are discussed. Lantern slides are presented showing the microscopic structure of two of these conditions.

Discussion by Carl W. Rand, M. D., Los Angeles, and Orville N. Meland, M. D., Los Angeles.

125. *Anemias in Infancy*—Madeleine A. Fallon, M. D., Children's Hospital, Los Angeles. (By invitation.)

Normal blood levels in infants. Iron deficiency anemias in prematures, twins, infants of low birth weight, infants born of anemic mothers, and in infants on inadequate diet. Symptoms, physical findings, and blood pictures in these anemias. Response to therapy. Other types of anemias in infancy.

Discussion by Hugh K. Berkley, M. D., Los Angeles.

126. *Congenital Ichthyosis (Collodion Skin)*—Roland P. Seitz, M. D., 490 Post Street, San Francisco.

This rare condition is described as seen in a newborn and at intervals during the first year. The description is supplemented by photographs and a biopsy. A review of the literature is given.

Discussion by Thomas J. Clark, M. D., Oakland.

127. *Diphtheria Immunization*—Lillian Kositz, M. D., 116 West Temple Street, Los Angeles. (By invitation.)

A ten-year survey of progress in diphtheria immunization in Los Angeles, as conducted through the Los Angeles City Health Department, is presented. About 84,575 children were immunized between the years 1924-1934. Forty-six thousand six hundred and sixteen with toxin antitoxin, 35,946 with toxoid, and 2,013 with alum precipitated toxoid.

Discussion by Milton L. Halverson, M. D., Pasadena, and A. J. Scott, M. D., Los Angeles.

128. *The Incidence of Rachitic Imperfections in Children*—C. U. Moore, M. D., Medico-Dental Building, Portland, Oregon. (By invitation.)

A review is given of the skeletal imperfections noted in the routine office examination of consecutive cases seen during recent years. These are analyzed according to age and to the character of the active signs or residual stigmata. Anterior and lateral posture gradings are noted in the older children.

* E. E. Moody, M. D., 3780 Wilshire Boulevard, Los Angeles, and William Reilly, M. D., 711 Seventeenth Avenue, San Francisco, will act as monitors of the Pediatrics Section.

The purpose of this study is to determine the incidence of mild rachitic unfitness and the need for discussion of various prophylactic measures.

Discussion by E. E. Moody, M. D., Los Angeles, and W. C. Deamer, M. D., San Francisco.

129. *Treatment of Congenital Deformities*—W. S. Kiskadden, M. D., 1930 Wilshire Boulevard, Los Angeles.

Theories of etiology of congenital deformities. Review of cases of harelip, cleft palate, maldeformities of the ear, cheek, as well as consideration of syndactylism, polydactylism and associated deformities of the hands and feet. (Lantern slides.)

Discussion by H. O. Barnes, M. D., Los Angeles, J. Homer Woolsey, M. D., Woodland, and Gerald B. O'Connor, M. D., San Francisco.



Second Meeting—Solarium, Ahwahnee

Wednesday, May 15, 2 p. m.

130. *Chairman's Address: Changing Pediatric Practice*—Henry E. Stafford, M. D., 242 Moss Avenue, Oakland.

There has been a marked change in the progress of pediatrics in the last few years. Increasing emphasis is being placed upon preventive procedures for postural defects, endocrine disorders, psychological maladjustments, and late sequelae of infectious diseases. The importance of securing the cooperation of the laity by education will be stressed.

SYMPOSIUM ON CHILDHOOD ENDOCRINOLOGY

131. *Endocrinological Problems in Pediatrics*—Oscar Reiss, M. D., 1930 Wilshire Boulevard, Los Angeles.

Observations are recorded of changing impressions regarding endocrinology during the past thirty years. A statement is made of what is accepted knowledge at this date. Its application to pediatric practice is pointed out. Future developments are envisaged.

Discussion by William Reilly, M. D., San Francisco.

132. *The Subthyroid Child*—Edward J. Lamb, M. D., 1515 State Street, Santa Barbara.

Clinical picture of various aspects and manifestations of hypothyroidism, including failure to gain in weight and in height, and allergic reactions. Discussion of diagnostic points and case reports.

Discussion by Donald K. Woods, M. D., San Diego, and Helen B. Pryor, M. D., San Francisco.

133. *Adrenal Endocrinopathies in Childhood*—H. Clare Shephardson, M. D., 384 Post Street, San Francisco.

Disturbances in function of the adrenal glands are unusual. There are, however, certain alterations in function of both the cortical and medullary portions of the adrenal glands which result in definite symptom complexes. These occur in children as well as adults. A brief outline of these conditions will be given together with some suggestions as to treatment.

Discussion by Rieta C. Hough, M. D., San Diego.

134. *Endocrine Factors in Calcification*—Francis Scott Smyth, M. D., University of California Hospital, San Francisco.

The rôle of the endocrine glands in calcification is not a simple one. At present it is often difficult to differentiate, clinically, primary from secondary parathyroid involvement. Thyroid, pituitary and even the liver and spleen, have been considered as having a possible hormonal influence. Until the mystery of

the interrelationship of the endocrine glands is better understood, caution should be exercised regarding wholesale adoption of surgical treatment. Knowledge already accumulated on the nutritional, digestive and excretory factors in calcification must not be forgotten.

Discussion by William W. Belford, M. D., San Diego, and Leon Goldman, M. D., San Francisco.

RECESS

Election of Officers and Business Meeting



XI

RADIOLOGY SECTION*

KENNETH S. DAVIS, M. D., *Chairman*
St. Vincent's Hospital

2131 Ocean View Boulevard, Los Angeles

ALFRED C. SIEFERT, M. D., *Secretary*
411 Thirtieth Street, Oakland

First Meeting—Tudor Lounge, Ahwahnee

Monday, May 13, 2 p. m.

135. *Chairman's Address*—Kenneth S. Davis, M. D., St. Vincent's Hospital, Los Angeles.

136. *Comments on the Fourth and Fifth International Congresses of Radiology*—Albert Soiland, M. D., 1407 South Hope Street, Los Angeles.

Radiology has made phenomenal professional advances during the past thirty years. In Europe this specialty has drawn from the best in the profession, with America following. The Fourth International Congress in July of 1934 at Zurich was an outstanding event, with over twelve hundred medical delegates in attendance, representing forty-three nations. America is now looking forward to the Fifth International Congress, which will be held in Chicago in September of 1937. A united American delegation is sponsoring this Congress, and visitors are welcome.

137. *A Comparison of 800 Kv. with the 200 Kv. Roentgen Ray*—Henry Schmitz, M. D., 25 East Washington Street, Chicago. (By invitation.)

138. *Roentgenological Differentiation Between Acute Intestinal Obstruction and Paralytic Ileus*—LeRoy Santa, M. D., Professor of Radiology, St. Louis University School of Medicine, St. Louis, Missouri. (By invitation.)

Roentgenological manifestations of acute intestinal obstruction are described and many types of obstruction are illustrated. Points of differentiation between acute intestinal obstruction and paralytic ileus are stressed. Difficulties arising from the coexistence of the two conditions are pointed out. The necessity for correlation of x-ray findings with clinical picture is clearly shown.

139. *The American Board of Radiology*—B. R. Kirklin, M. D., Mayo Clinic, Rochester, Minnesota. (By invitation.)

There will be open discussion of the above papers.

Meeting of the Pacific Roentgen Club.

RECESS

Election of Officers and Business Meeting



Tuesday, May 14, 1 p. m.

Ahwahnee Hotel

There will be a luncheon given to members of the American Board of Radiology by the Pacific Roentgen Club.

*Elmer N. Liljedahl, M. D., 215 Chadbourne Avenue, Los Angeles, will act as monitor for the Radiology Section.

**Second Meeting—Dining Room, Camp Curry
Wednesday, May 15, 2 p. m.**

**SYMPOSIUM ON DIAGNOSIS AND TREATMENT OF LESIONS
OF THE STOMACH**

This will be a joint meeting of the Sections on General Surgery and Radiology.

The program of this joint meeting is printed under the fourth meeting of the General Surgery Section. (See page 291.)

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**Third Meeting—Tudor Lounge, Ahwahnee
Thursday, May 16, 8:30 a. m.**

140. *The Pars Cardia of the Stomach, Radiologically Considered*—Jacob Abowitz, M. D., 4833 Fountain Avenue, Los Angeles.

Carcinoma of the pars cardia. Roentgenological findings: elevation of the left diaphragm with loss of function; distortion of gas bubble (Magenblase); visualization of tumor through gas bubble; filling defect in stomach wall; speck of barium at the pars cardia of the stomach and cardiac end of the esophagus; and absence of peristalsis. Diaphragmatic hernia of the pars cardia of the stomach. Pouch of the pars cardia of the stomach.

Discussion by Clyde K. Emery, M. D., Los Angeles.

141. *Air in the Hepatic Ducts, an X-Ray Sign of Gall-Bladder Fistulae*—Robert A. Powers, M. D., 261 Hamilton Avenue, Palo Alto.

Although four hundred or more cases of gall-stones ileus have been reported in the literature, practically no mention is made of the value of roentgen examination. In a few isolated cases there are reports of barium in the hepatic ducts, but other x-ray findings are rarely mentioned. The author presents four cases, in three of which the diagnosis was possible without the administration of barium. Two cases showed well-defined tubular air shadows in the hepatic ducts, and a third one, indirect evidence of fistula. As a diagnosis of this condition is rarely made before operation, roentgen findings are important, and when considered in conjunction with the history of clinical findings, should result in a higher percentage of preoperative diagnoses.

Discussion by Daniel M. Clark, M. D., Santa Barbara.

142. *Visualization of the Bile Ducts in Course of Examination of the Gastro-Intestinal Tract by Barium Meal*—James B. Bullitt, M. D., 303 Medico-Dental Building, San Jose.

The literature records a number of instances of visualization of the bile ducts in cases of biliary fistulae. The case reported is one of apparently visualization of bile ducts by filling from the duodenum through the intact common duct.

Discussion by Daniel M. Clark, M. D., Santa Barbara.

143. *A Roentgen and Statistical Study of Intestinal Obstruction*—John F. Chapman, M. D., 65 North Madison Avenue, Pasadena.

Purposes to determine—accuracy of positive and negative diagnoses. Other conditions presenting similar appearance. Time between beginning of symptoms and positive roentgen sign. The least findings safe for positive diagnosis. Conditions found at operation in the series.

Discussion by Carl B. Bowen, M. D., Oakland.

144. *Observations on the Duration of X-Ray Evidence of Skull Fracture*—Edward S. Blaine, M. D., 727 West Seventh Street, Los Angeles.

A study of a series of skull fractures of various types, attempting to provide a basis for

correct answer of the often asked question, "How long does the x-ray show a skull fracture?"

Discussion by Mark A. Glaser, M. D., Los Angeles.

145. *Observations on the Roentgen Treatment of Certain Types of Arthritis*—L. Henry Garland, M. D., 450 Sutter Street, San Francisco.

The roentgen treatment of arthritis, at least for the relief of its painful manifestations, was first reported by Sokoloff in 1897. Since then many papers have appeared on the subject, but on the whole this valuable adjunct in therapy has been rather neglected. The present paper is a report on the results of treatment in fifty cases seen at the San Francisco City and County Hospital during the last few years. Thirty-nine of the cases were of acute infectious type (the majority being cases of gonorrheal arthritis); the remainder were of the chronic infectious and degenerative types.

Discussion by Orville N. Meland, M. D., Los Angeles.



XII

UROLOGY SECTION*

GEORGE F. SCHENCK, M. D., *Chairman*
308 Wilshire Medical Building
1930 Wilshire Boulevard, Los Angeles

THOMAS E. GIBSON, M. D., *Secretary*
911 Four Fifty Sutter Street
San Francisco

**First Meeting—Ping-Pong Room, Ahwahnee
Monday, May 13, 2 p. m.**

146. *Chairman's Address: The Incidence of Urologic Pathology as Found in One Thousand Consecutive Autopsies*—George F. Schenck, M. D., 1930 Wilshire Boulevard, Los Angeles.

The author has tabulated the incidence of urologic pathology as it occurs in tuberculosis, cardiovascular diseases, carcinoma, septic, and a miscellaneous group of one thousand consecutive cases studied at autopsy. The aforementioned groups are tabulated by decades, and the intimate relation and importance of urinary pathology are graphically illustrated to show their primary or contributory influence on mortality.

SYMPOSIUM ON URINARY EXTRAVASATION

147. *Urinary Extravasation*—J. C. Negley, M. D., 527 West Seventh Street, Los Angeles.

Etiology, spontaneous from conditions within the patient, as stricture, calculi, destructive disease process, etc. Extraneous, as from instrumental or other trauma. Diagnosis—clinical findings and symptoms, x-ray, laboratory, exploratory operation. Treatment—conservative by catheter or incisional drainage.

148. *Traumatic Injuries of the Deep Urethra and Adnexae With or Without Fracture of the Pelvis*—Harry W. Martin, M. D., 6253 Hollywood Boulevard, Los Angeles.

Incidence much greater in present age of industrial production and traffic accidents than formerly, as stressed in classical textbooks. Straddle injuries comparatively unimportant as compared with new types of injuries common in the last fifteen or twenty years. Discussion and analysis of methods of systematic examination requisite for determination of most

*A. G. Folte, M. D., 870 Market Street, San Francisco, and James B. Herring, M. D., 490 Post Street, San Francisco, are monitors for the Urology Section.

satisfactory management of this type of case. Much stress laid on early and adequate drainage even in doubtful cases in order to insure against immediate or future urologic morbidity, and even mortalities.

149. *Serial Motion Picture Demonstrating the Management of Urinary Extravasation*—Carl F. Rusche, M.D., and Samuel K. Bacon, M.D., 1680 North Vine Street, Hollywood.

This paper presents a discussion of acute urinary extravasation following urethral stricture and the preoperative diagnosis, surgical procedure and postoperative management is shown by a serial motion picture.

Discussion of symposium by George C. Reinle, M.D., Oakland; H. A. R. Kreutzmann, M.D., San Francisco; Lloyd E. Kindall, M.D., Oakland; and Nathan G. Hale, M.D., Sacramento.

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150. *The Rôle of the Female Urethra in Urology*—William E. Stevens, M.D., 870 Market Street, San Francisco.

Relative frequency of urethral pathology in lesions of the female urinary tract. Examination of the female urethra. Urethral glands. Urethritis. Strictures. Tumors. Calculi. Urethrocele. Roentgenography.

Discussion by H. C. Bumpus, M.D., Pasadena, E. W. Beach, M.D., Sacramento, and Frank S. Dillingham, M.D., Los Angeles.

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Second Meeting—Tudor Lounge, Ahwahnee

Tuesday, May 14, 8:30 a. m.

151. *Postrenal Anuria*—Thomas I. Buckley, M.D., 251 Moss Avenue, Oakland.

Report of a case of anuria of six days' duration due to bilateral ureteral block by symptomless calculi. The surgical procedure, the postoperative course, and the autopsy findings to be discussed. General discussion of anuria.

Discussion by Robert V. Day, M.D., Los Angeles; W. W. Cross, M.D., Oakland; E. F. Chamberlain, M.D., San Diego; and Lewis Michelson, M.D., San Francisco.

152. *Pylonephrostomy for Stone in the Single Kidney—Report of Three Cases*—Burnett W. Wright, M.D., 1137 Roosevelt Building, and Wilbur G. Rogers, M.D., 523 West Sixth Street, Los Angeles.

Three cases are presented for which pyelotomy or pyelonephrostomy for stone was done in the remaining kidney. Two of the patients were subjected to surgical removal of their calculi before much harm had been done to their kidneys. These two patients are now living useful lives. One of the patients did not come to surgery until more than three years after the original diagnosis of a staghorn calculus in her remaining kidney. She was in uremia and the removal of her calculus did not materially prolong her life. Other things being equal, patients with single kidneys withstand surgical manipulations of these kidneys as well as patients having both kidneys.

Discussion by A. A. Kutzmann, M.D., Los Angeles; Albert M. Meads, M.D., Oakland; J. Salem Rubin, M.D., Los Angeles; and J. J. Crane, M.D., Los Angeles.

153. *Two Cases of Carcinoma of the Bladder of Allantoic Origin*—Paul A. Ferrier, M.D., 65 North Madison Avenue, Pasadena.

Report of a case of carcinoma of the bladder with intestinal type of mucosa, apparently originating in the remnant of the allantoic

duct. Operation with ten-year cure. Second case with autopsy findings. Review of previously reported cases.

Discussion by A. J. Scholl, M.D., Los Angeles; George W. Hartman, M.D., San Francisco; B. H. Hager, M.D., Los Angeles; and Lionel P. Player, M.D., San Francisco.

154. *Kidney-Liver Syndrome*—James Steinberg, M.D., 1052 West Sixth Street, Los Angeles.

Obstructive pyonephrosis of kidney as etiologic factor in production of acute reflex toxic jaundice in previously normal liver and gallbladder. Recovery of acute cholemia following removal of pyonephrotic focus. Tracing mechanism of the acute cholemia by comparative study of the liberation of toxic foreign proteins in the circulation, with liver shock in taking up the function of detoxification.

Discussion by Louis C. Jacobs, M.D., San Francisco; Leon I. Oppenheimer, M.D., Oakland; and Charles P. Mathé, M.D., San Francisco.

155. *Heat in the Treatment of Prostatitis*—James B. Herring, M.D., 490 Post Street, San Francisco. Urologists agree that elevating the temperature of the prostate has therapeutic value, but are not in accord as to its production. Just as many doctors depend to a large extent upon the detail men for their therapeutics, so urologists buy their electrical apparatus upon the representation of the salesman. Elevation of temperatures in the prostate can be accurately determined by means of thermocouple recordings. Demonstration of comparative values of diathermy, radiofrequency, infra-red, Elliott, and other alleged heat-producing machines. (Lantern slides.)

Discussion by A. Elmer Belt, M.D., Los Angeles; George Stilson, M.D., Long Beach; Wirt B. Dakin, M.D., Los Angeles; F. H. Redewill, M.D., San Francisco.

RECESS

Election of Officers and Business Meeting



XIII

CANCER COMMISSION—SUNDAY CONFERENCES

Pathology and radiology conferences are planned, as usual, for Sunday, May 12, immediately before the California Medical Association convention. Both will be at the Ahwahnee Hotel, Yosemite, from 10 a. m. to 5 p. m., with lunch intermission.

Members wishing to attend either conference should register at once with the secretary of the Commission, 450 Sutter Street, San Francisco, or with the chairmen of arrangements committees: Radiology, Dr. L. H. Garland, 450 Sutter Street; Pathology, Dr. Z. E. Bolin, 490 Post Street, San Francisco.

For the pathology conference it is essential that members register, as space and material will be limited to forty. For the radiology conference, it is necessary to know the number desiring to attend, since national society examinations are to be held in San Francisco the same day, and unless a sufficient number register for the Yosemite conference it may have to be canceled.

Microscopes must be brought by those attending the pathology conference. No extra ones will be available at Yosemite.

Members attending either conference will need to reach the Valley the night before, if traveling by rail and bus; or, if motoring, should plan to stop at Merced Saturday night in order to arrive by 10 a. m.